

FIG. 1

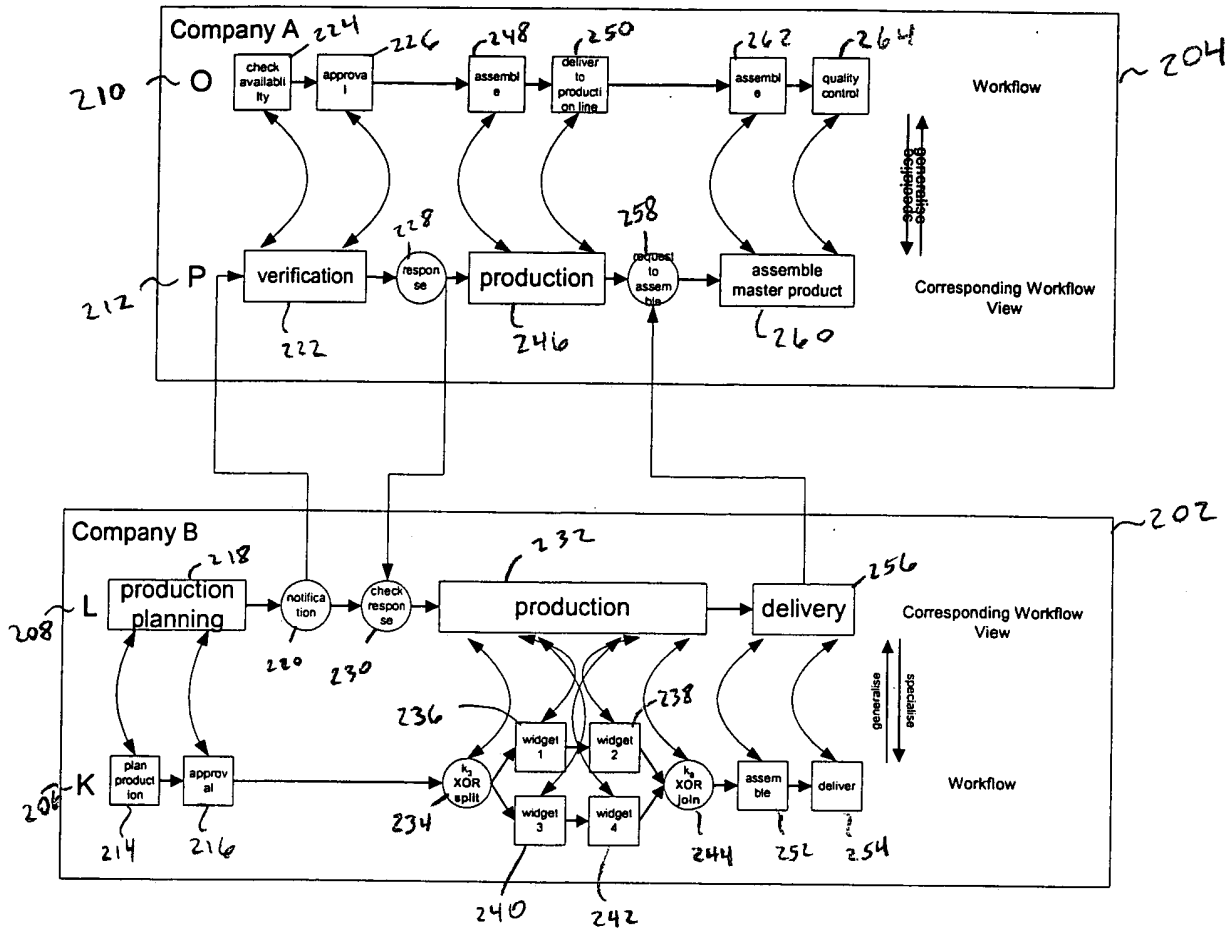


FIG. 2

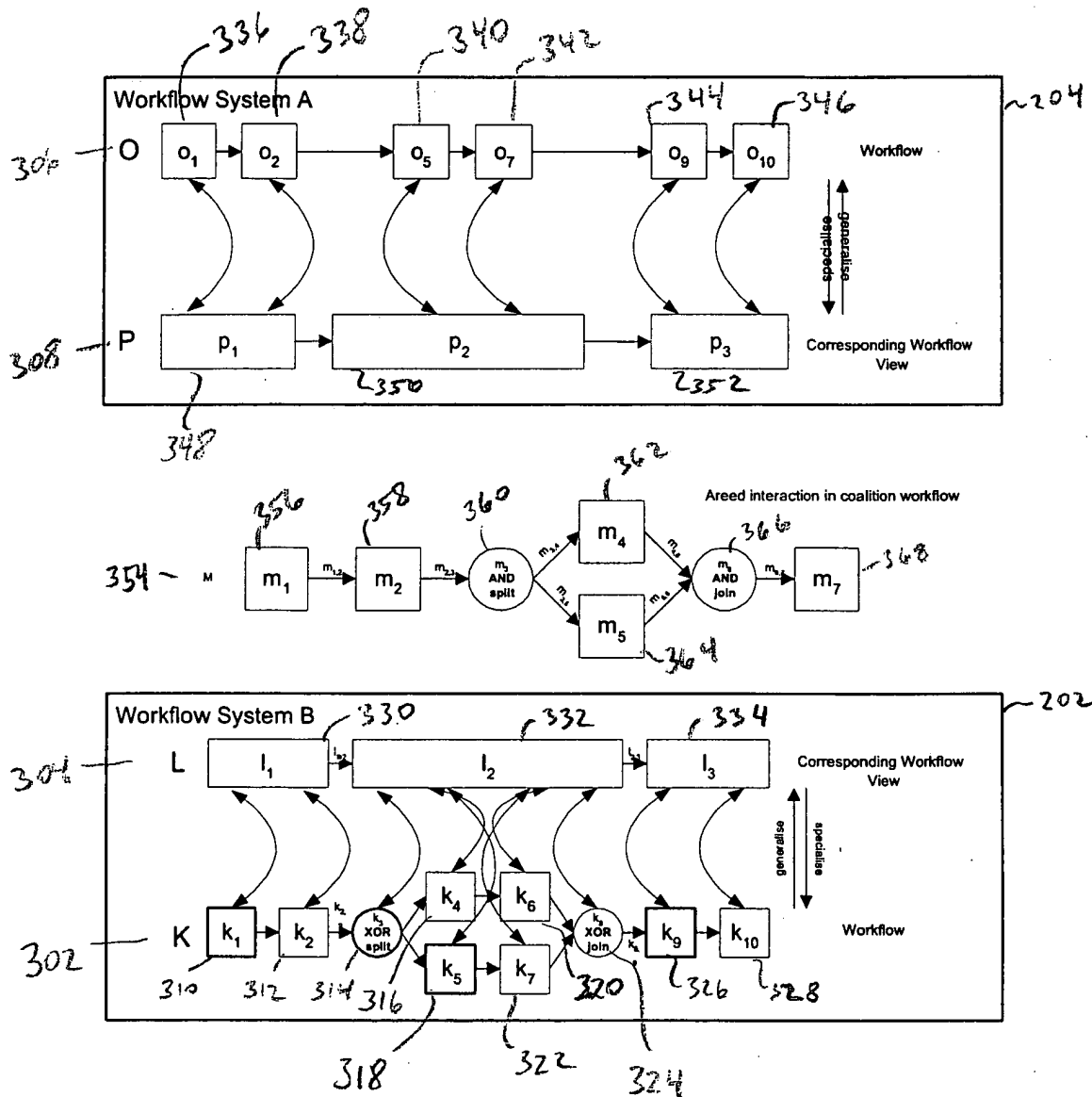


FIG. 3

400

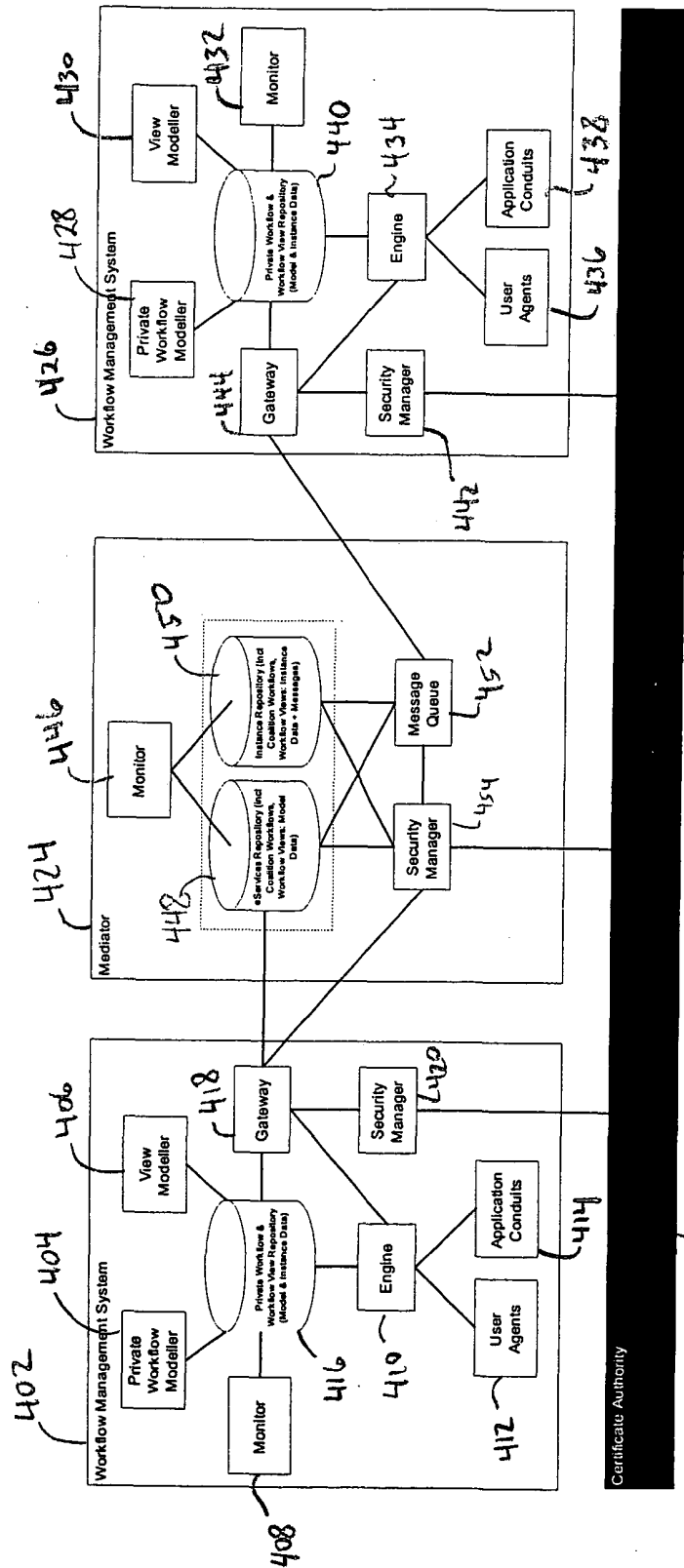


FIG. 4

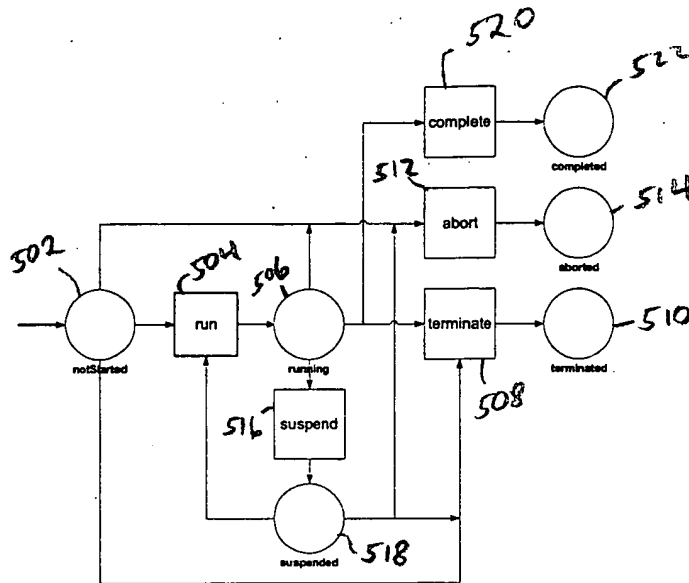


FIG. 5

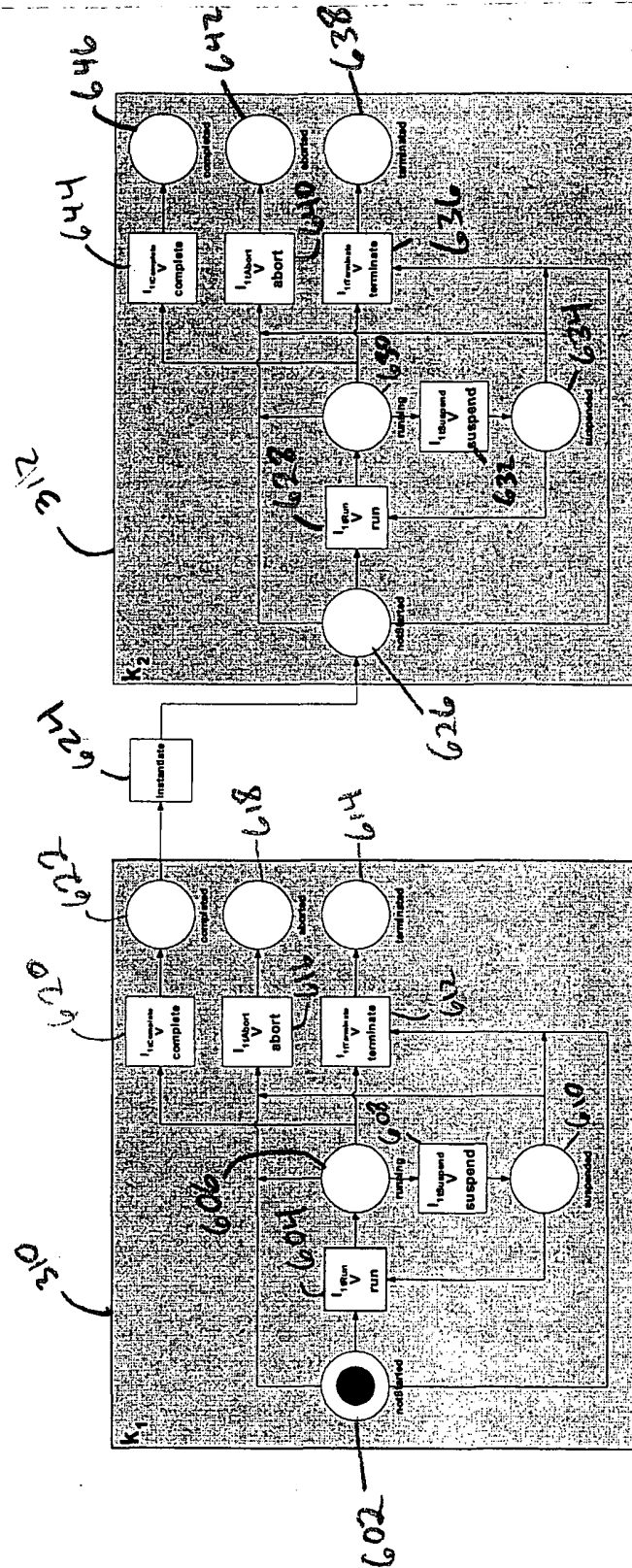


FIG. 6

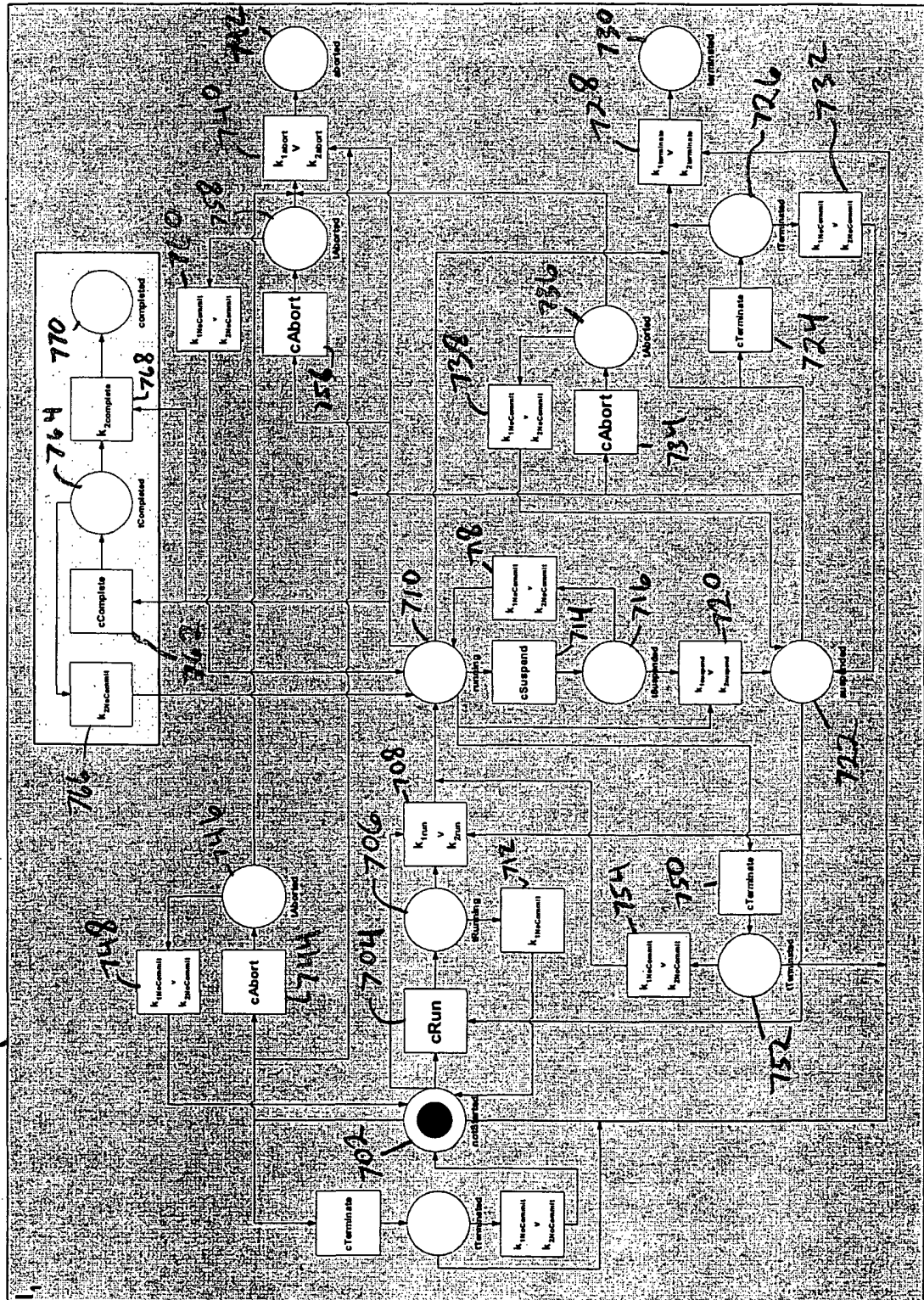


FIG. 7

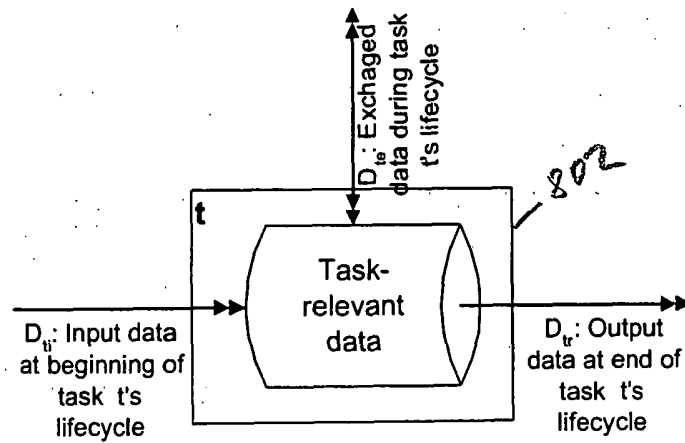


FIG. 8



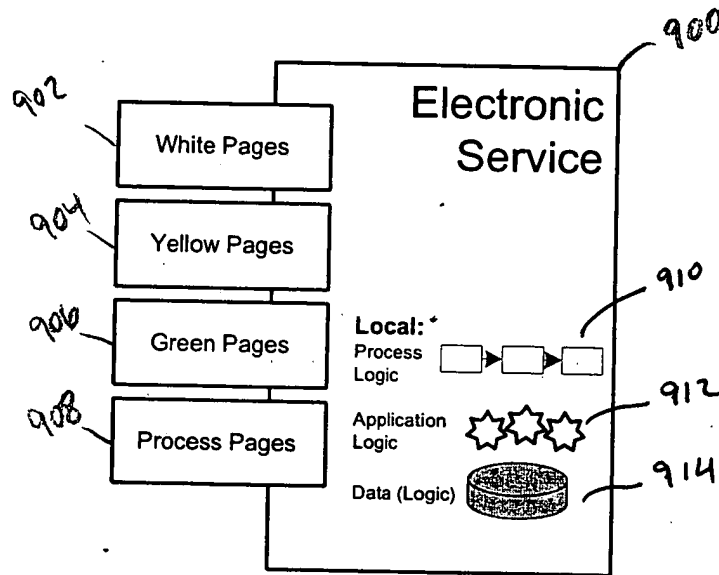


FIG. 9

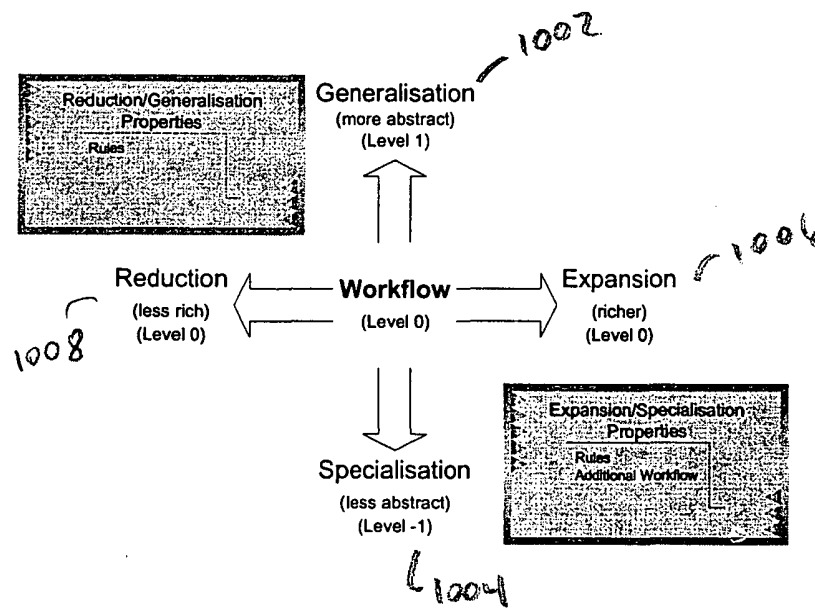


FIG. 10

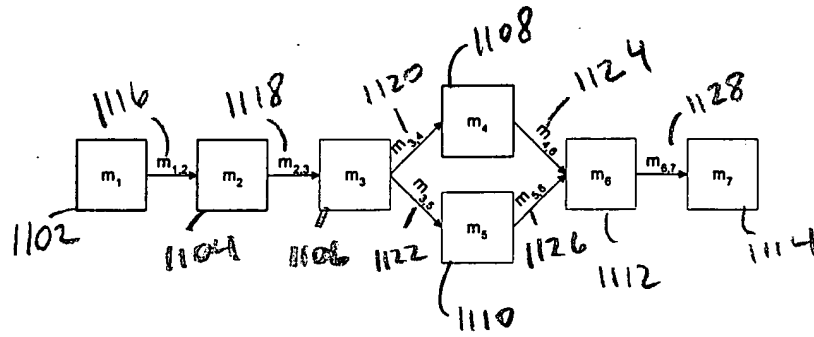


FIG. 11

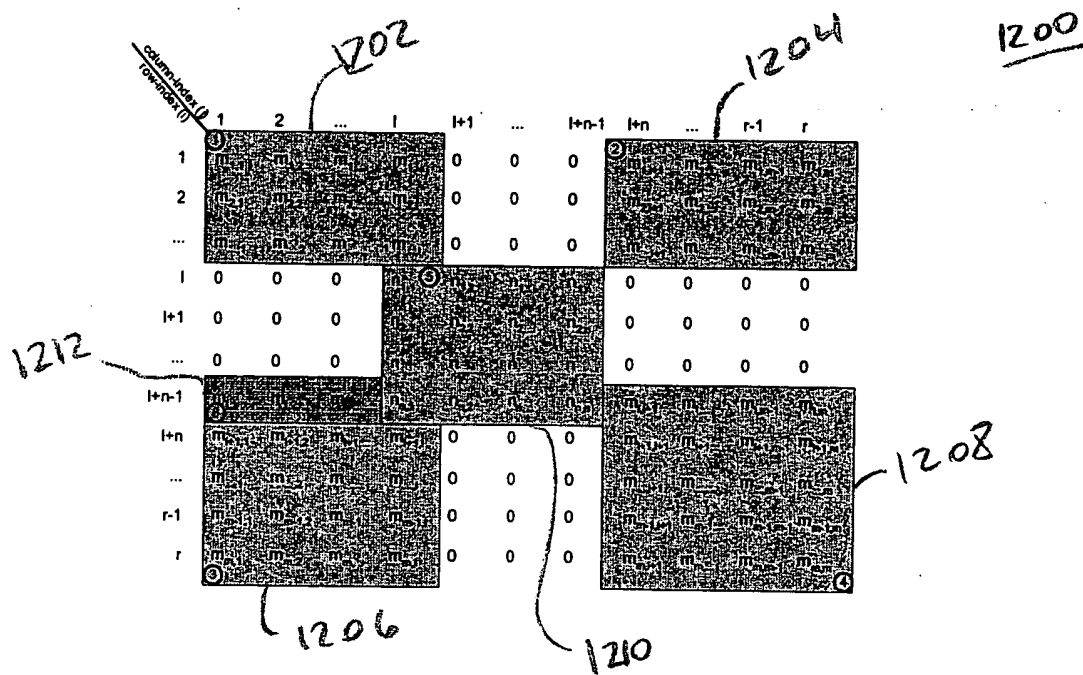


FIG. 12

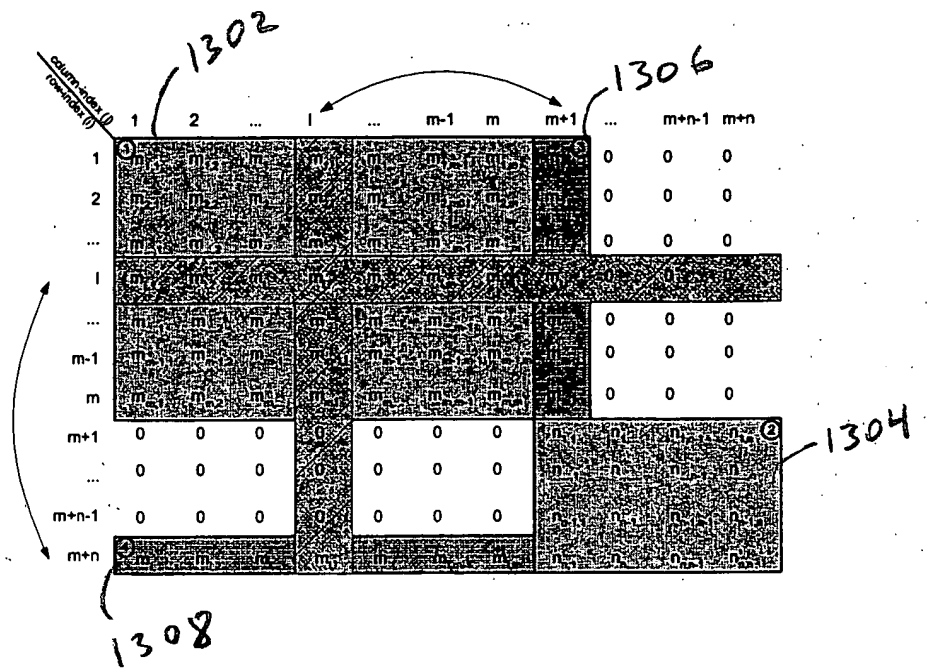


FIG. 13

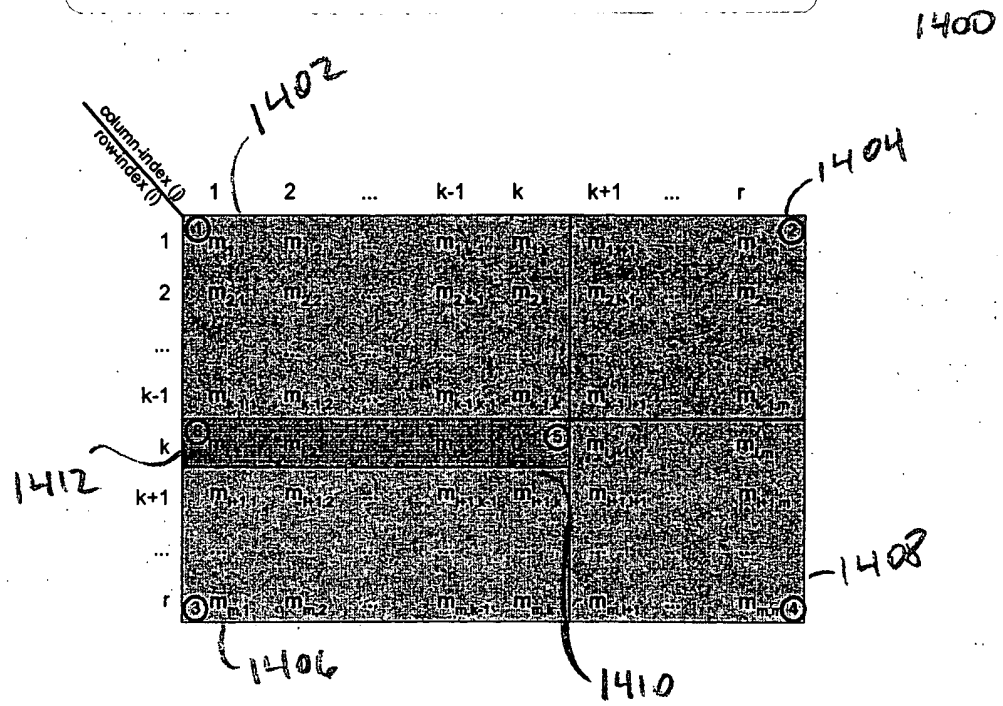


FIG. 14

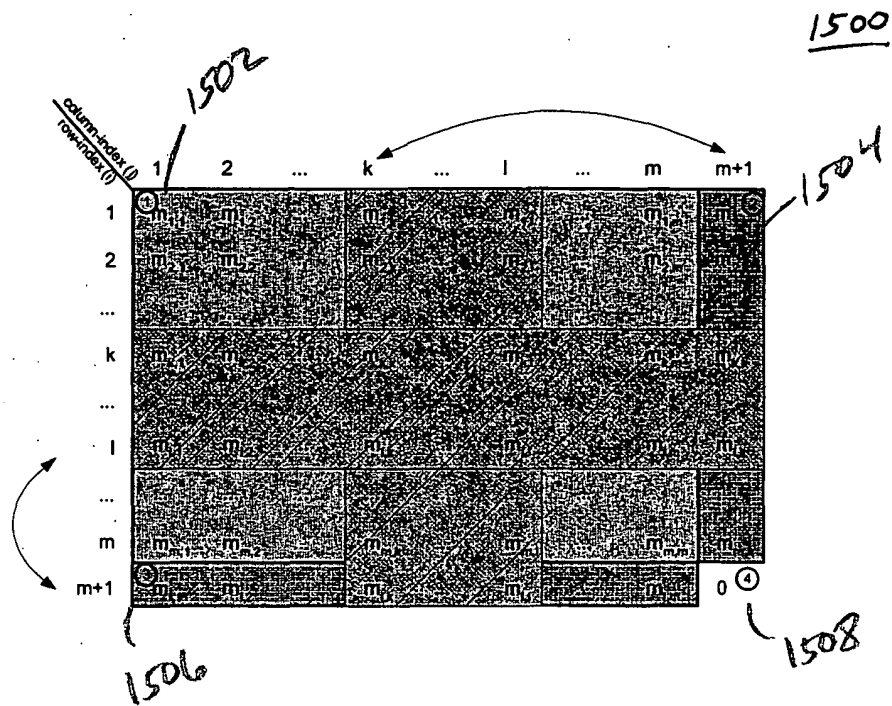


FIG. 15

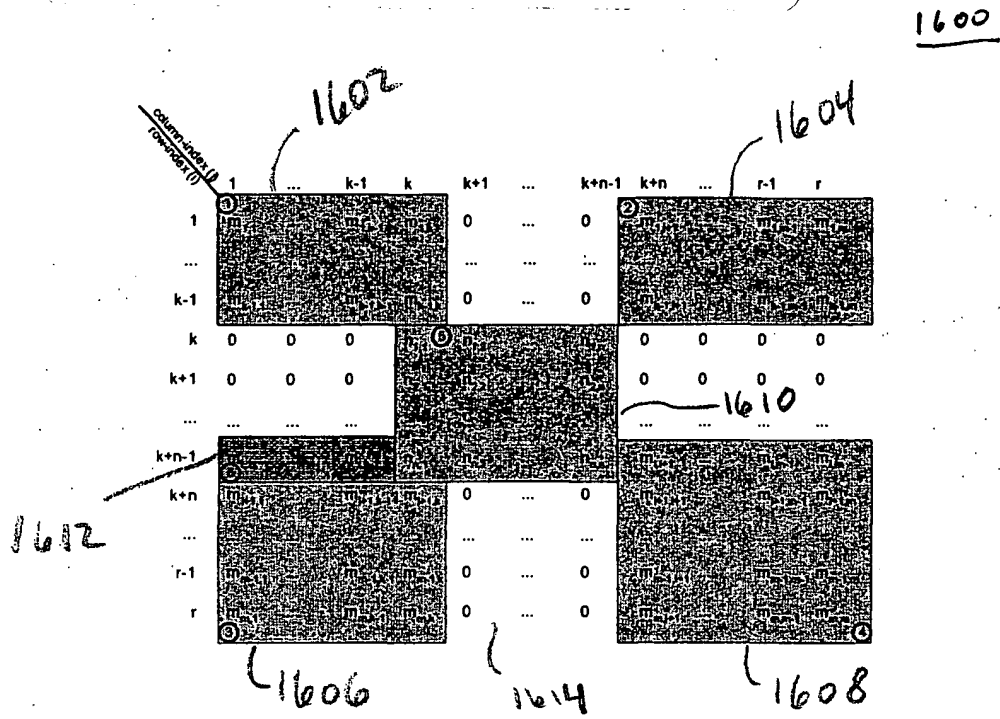


FIG. 16



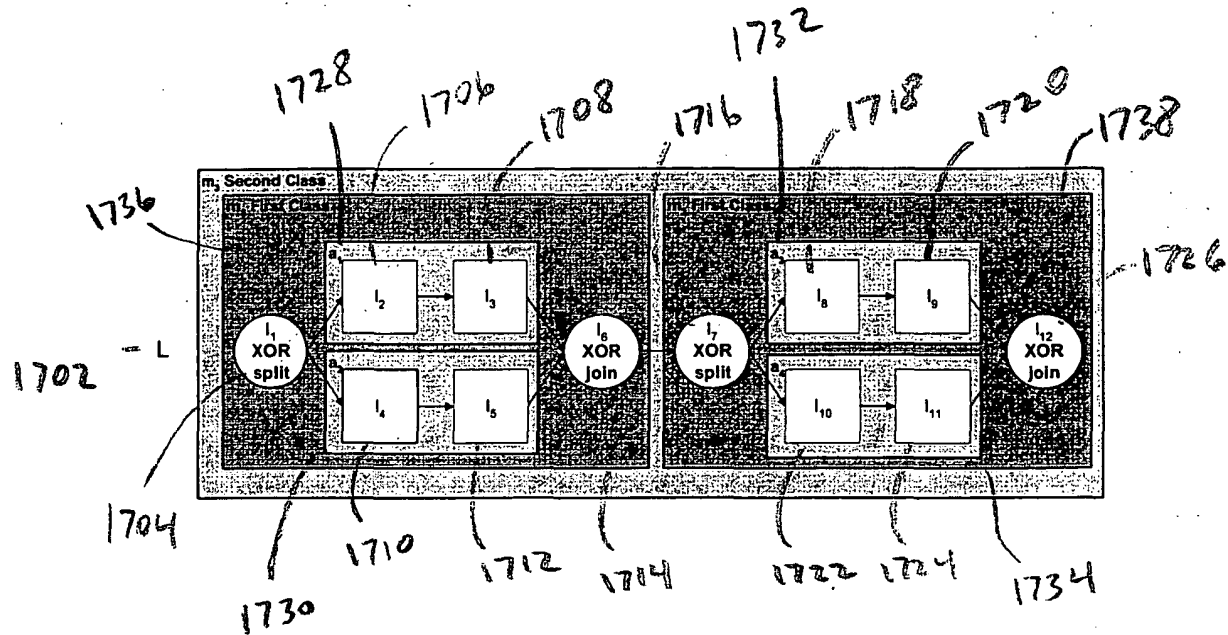


FIG. 17

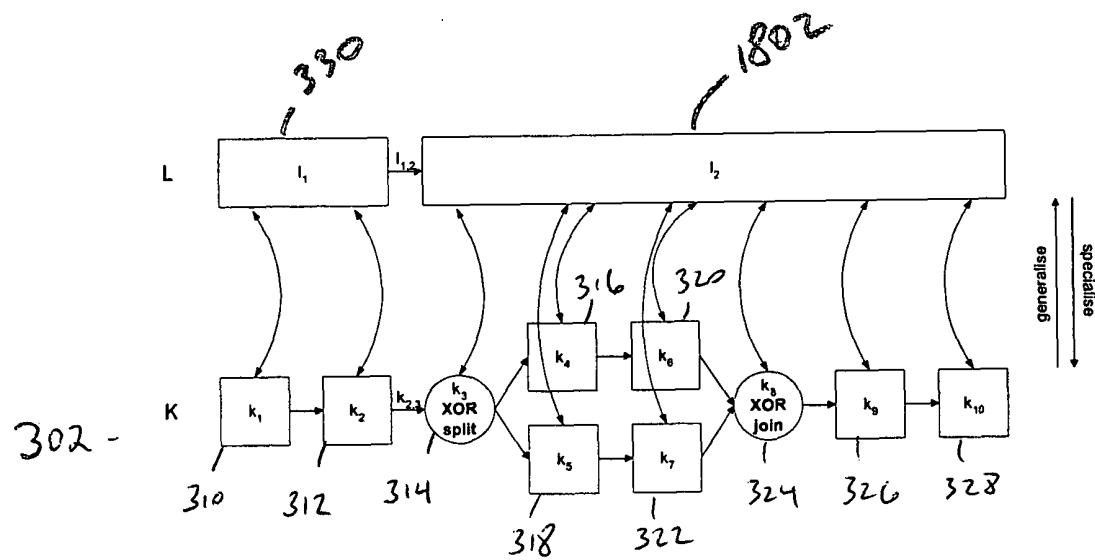


FIG. 18

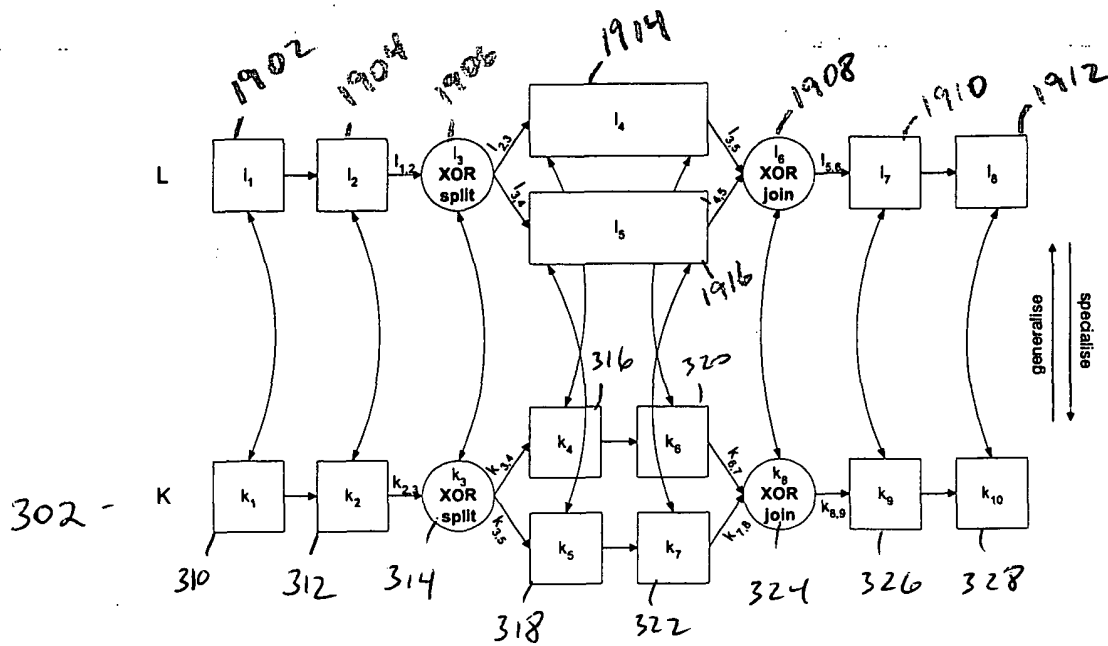


FIG. 19

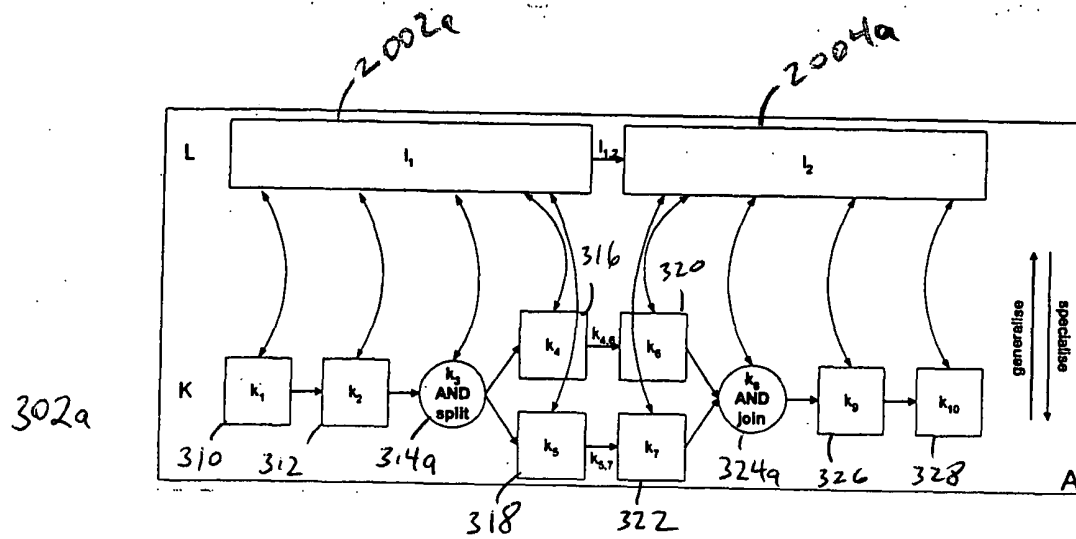


FIG. 20A

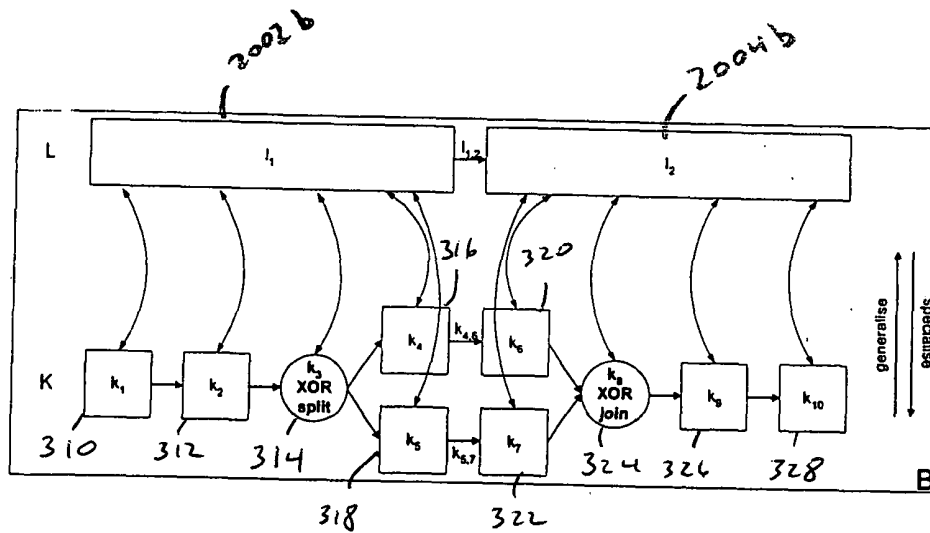


FIG. 20B

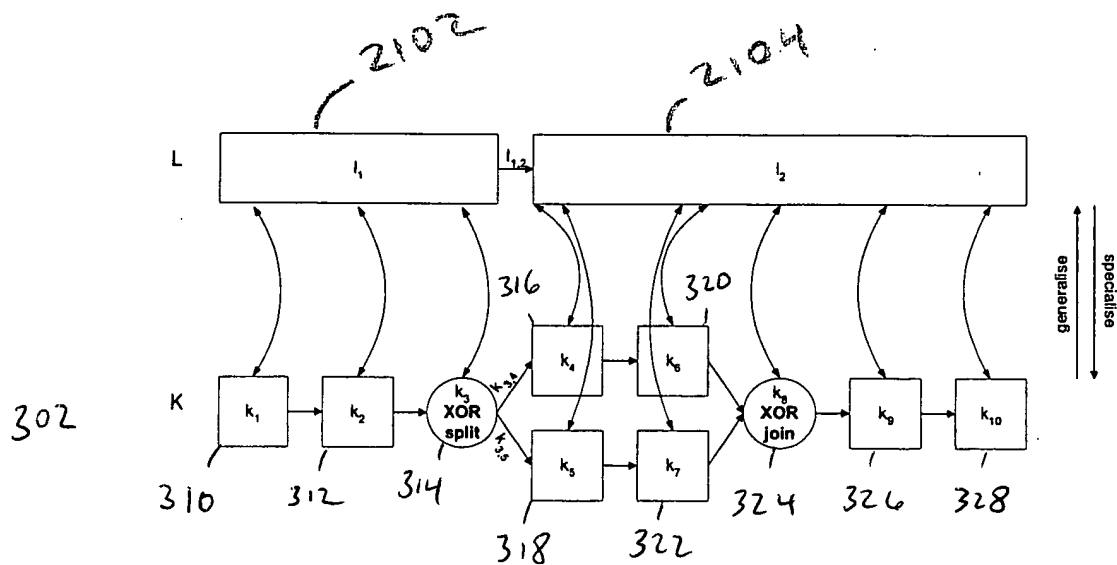


FIG. 21

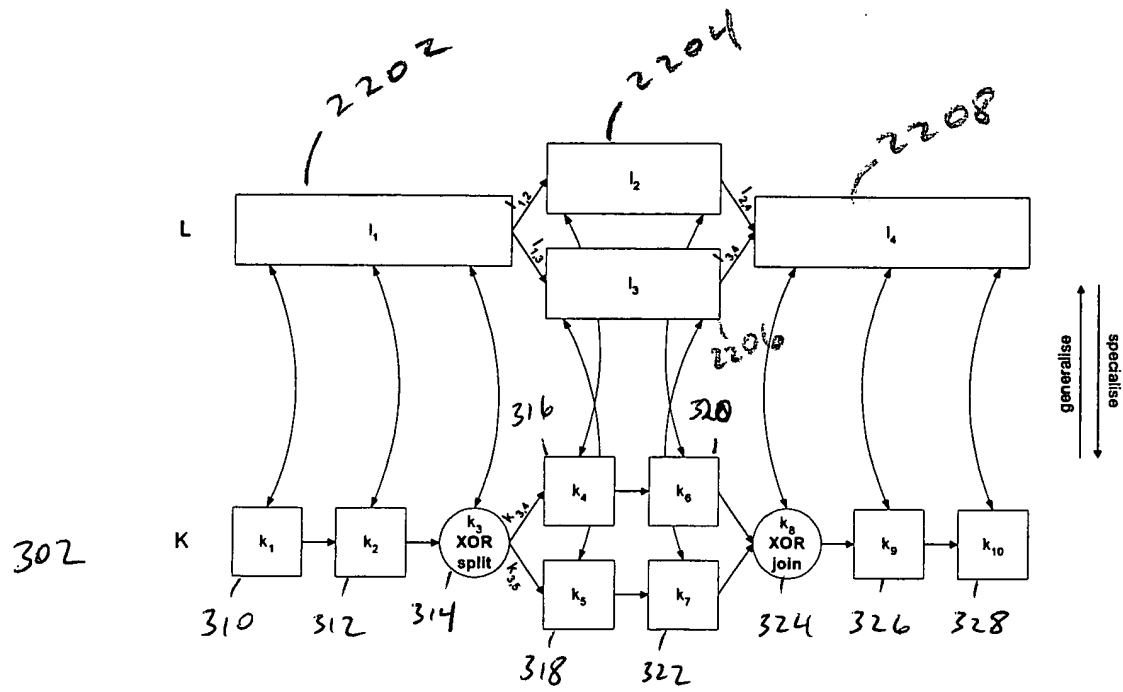


FIG. 22

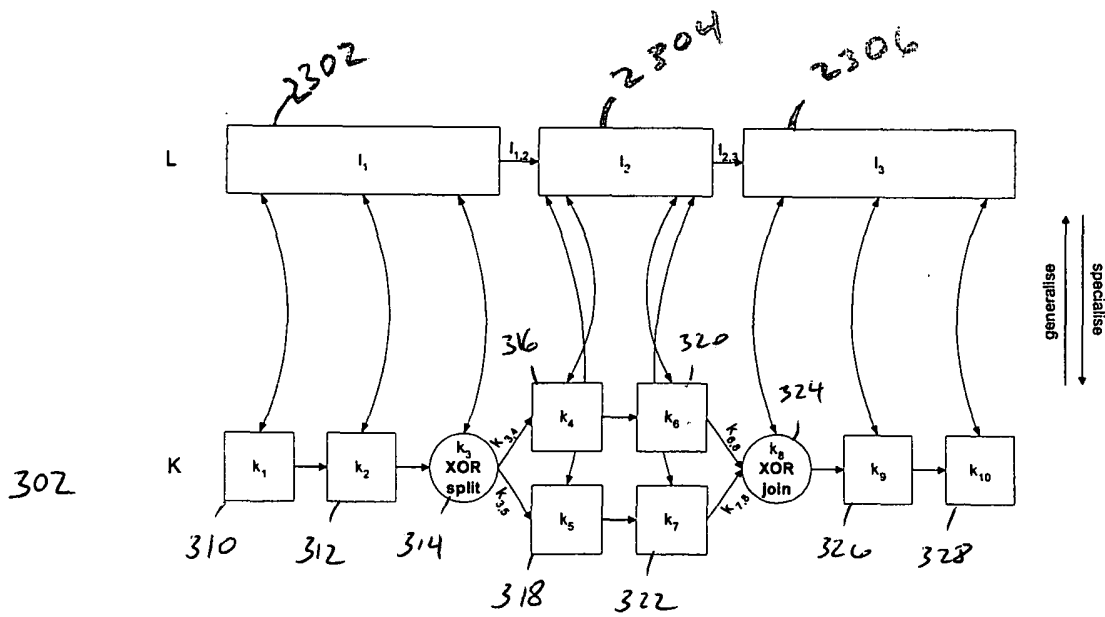


FIG. 23

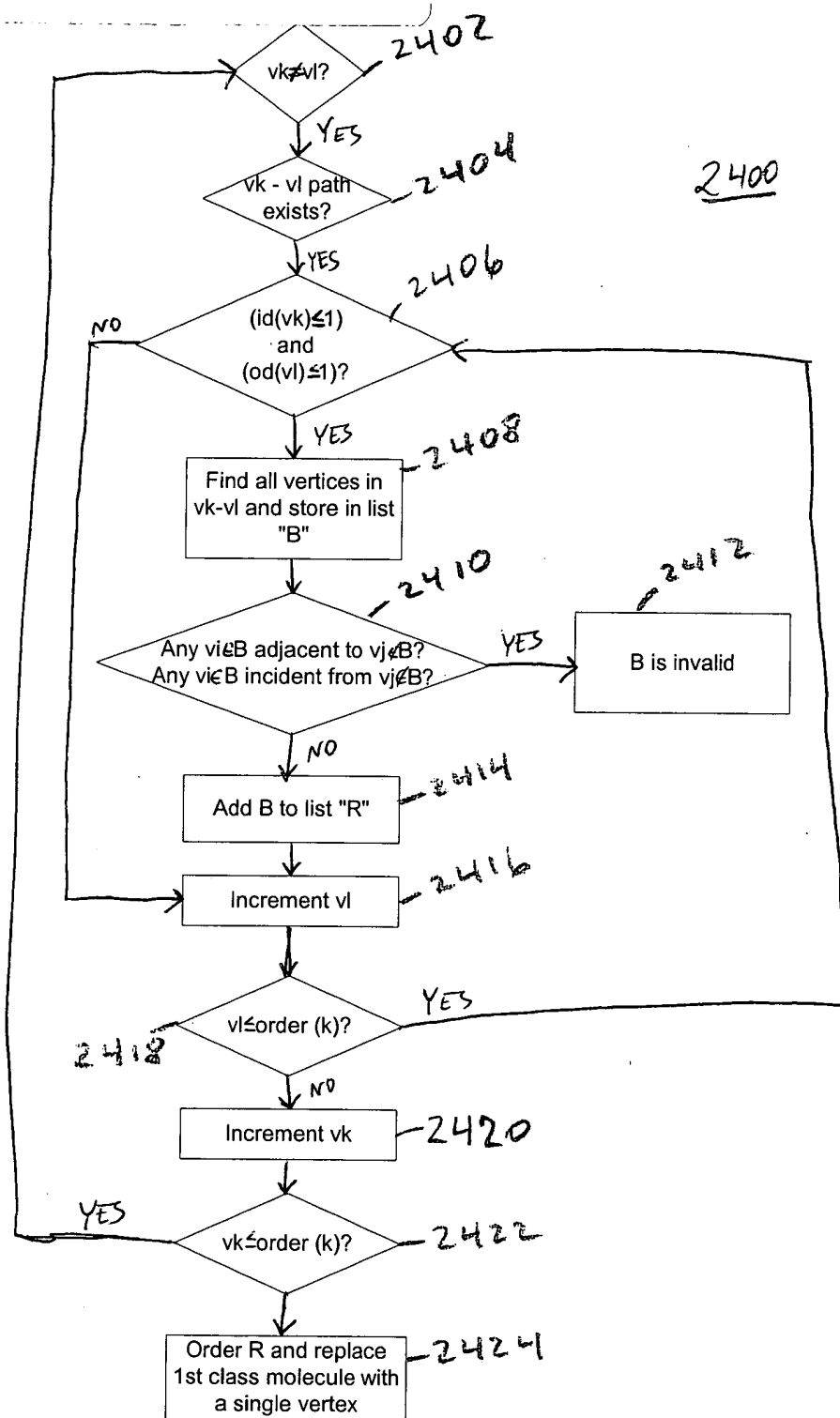


FIG. 24



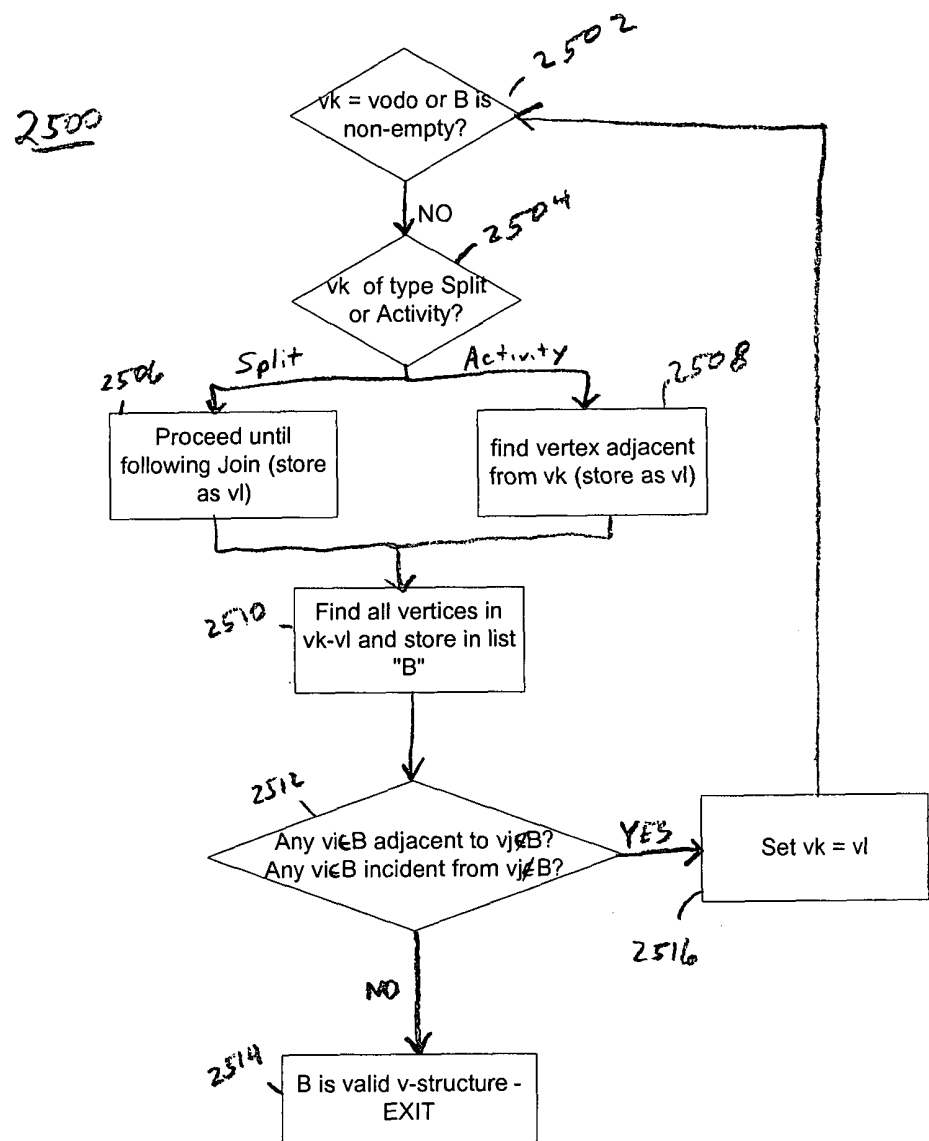


FIG. 25

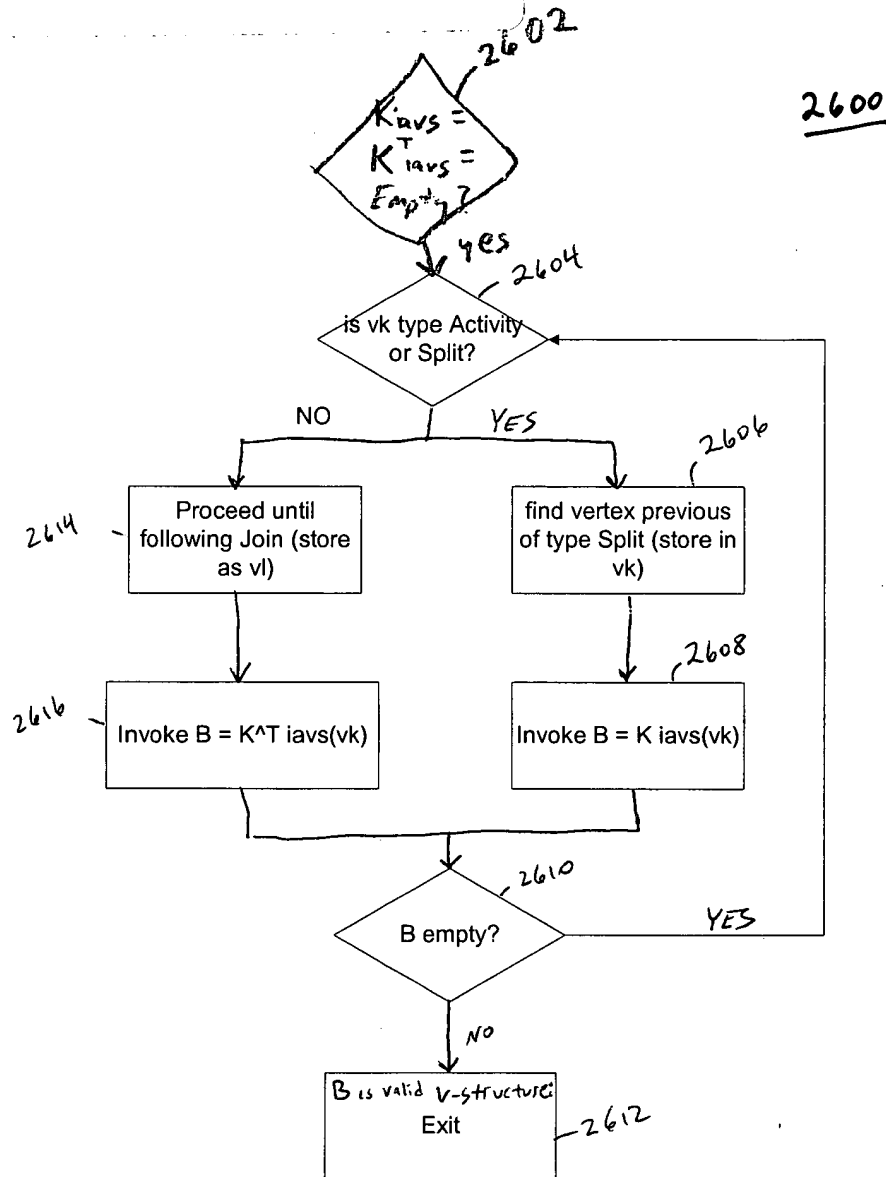


FIG. 26

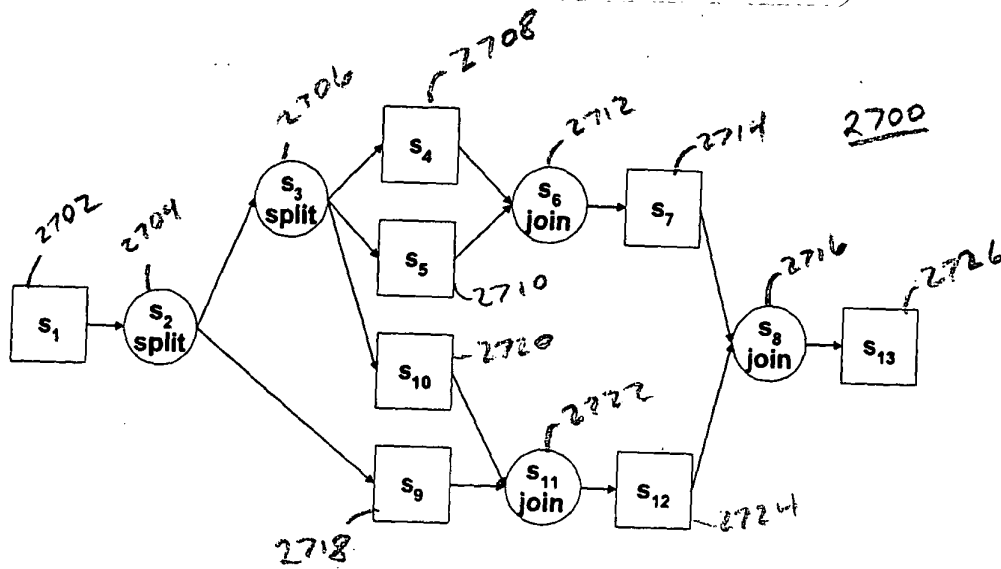


FIG. 27A

$v_k$	$S_{\text{Iavse}}(v_k)$
$s_1$	$\{s_1, s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_2$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_3$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_4$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_5$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_6$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_7$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_8$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_9$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_{10}$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_{11}$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_{12}$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}\}$
$s_{13}$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{11}, s_{12}, s_{13}\}$

FIG. 27B

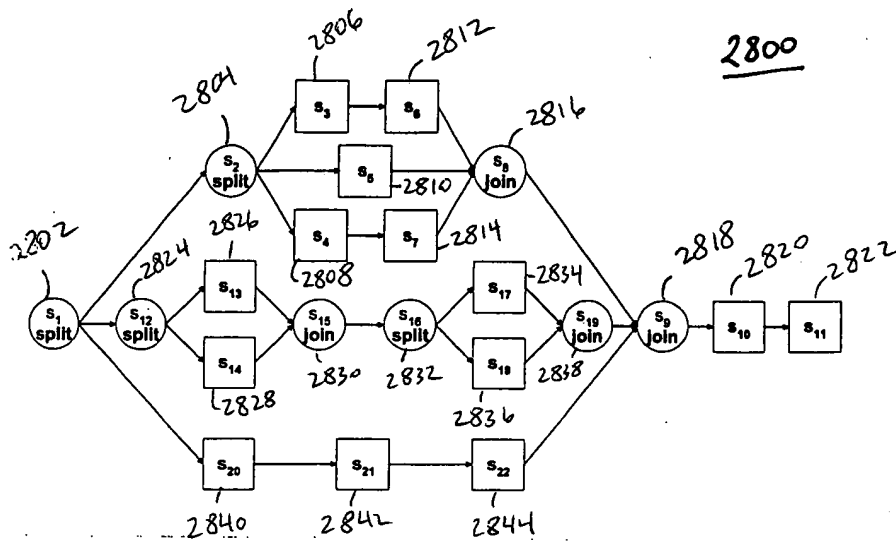


FIG. 28A

$v_k$	$S_{iavs}(v_k)$
$s_1$	$\{s_1, s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{12}, s_{13}, s_{14}, s_{15}, s_{16}, s_{17}, s_{18}, s_{19}, s_{20}, s_{21}, s_{22}\}$
$s_2$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8\}$
$s_3$	$\{s_3, s_6\}$
$s_4$	$\{s_4, s_7\}$
$s_5$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8\}$
$s_6$	$\{s_3, s_6\}$
$s_7$	$\{s_4, s_7\}$
$s_8$	$\{s_2, s_3, s_4, s_5, s_6, s_7, s_8\}$
$s_9$	$\{s_1, s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{12}, s_{13}, s_{14}, s_{15}, s_{16}, s_{17}, s_{18}, s_{19}, s_{20}, s_{21}, s_{22}\}$
$s_{10}$	$\{s_1, s_2, s_3, s_4, s_5, s_6, s_7, s_8, s_9, s_{10}, s_{12}, s_{13}, s_{14}, s_{15}, s_{16}, s_{17}, s_{18}, s_{19}, s_{20}, s_{21}, s_{22}\},$ $\{s_{10}, s_{11}\}$
$s_{11}$	$\{s_{10}, s_{11}\}$
$s_{12}$	$\{s_{12}, s_{13}, s_{14}, s_{15}\}$
$s_{13}$	$\{s_{12}, s_{13}, s_{14}, s_{15}\}$
$s_{14}$	$\{s_{12}, s_{13}, s_{14}, s_{15}\}$
$s_{15}$	$\{s_{12}, s_{13}, s_{14}, s_{15}\}$
$s_{16}$	$\{s_{16}, s_{17}, s_{18}, s_{19}\}$
$s_{17}$	$\{s_{16}, s_{17}, s_{18}, s_{19}\}$
$s_{18}$	$\{s_{16}, s_{17}, s_{18}, s_{19}\}$
$s_{19}$	$\{s_{16}, s_{17}, s_{18}, s_{19}\}$
$s_{20}$	$\{s_{20}, s_{21}\}$
$s_{21}$	$\{s_{20}, s_{21}\}, \{s_{21}, s_{22}\}$
$s_{22}$	$\{s_{21}, s_{22}\}$

FIG. 28B

2900

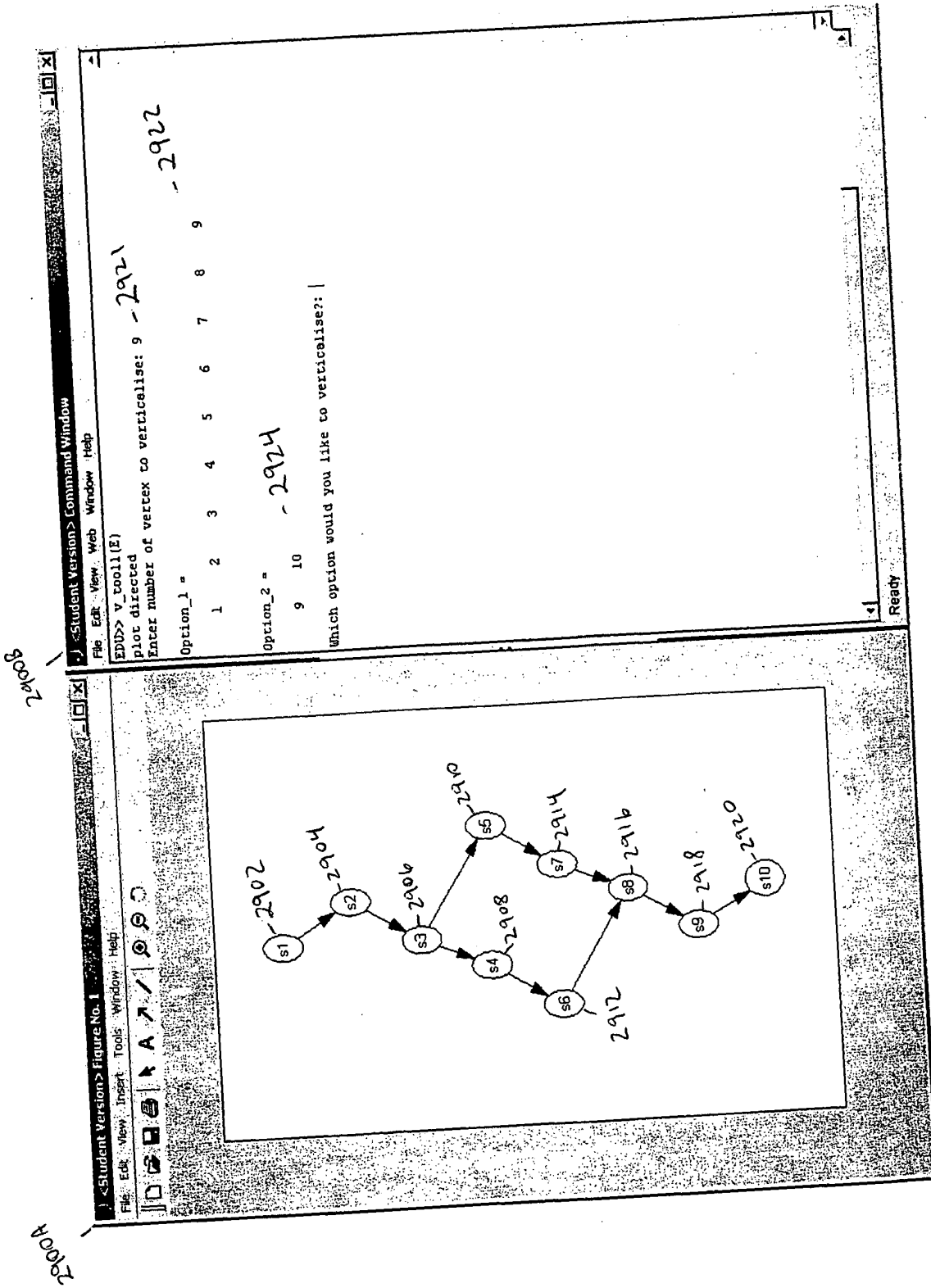


FIG. 29

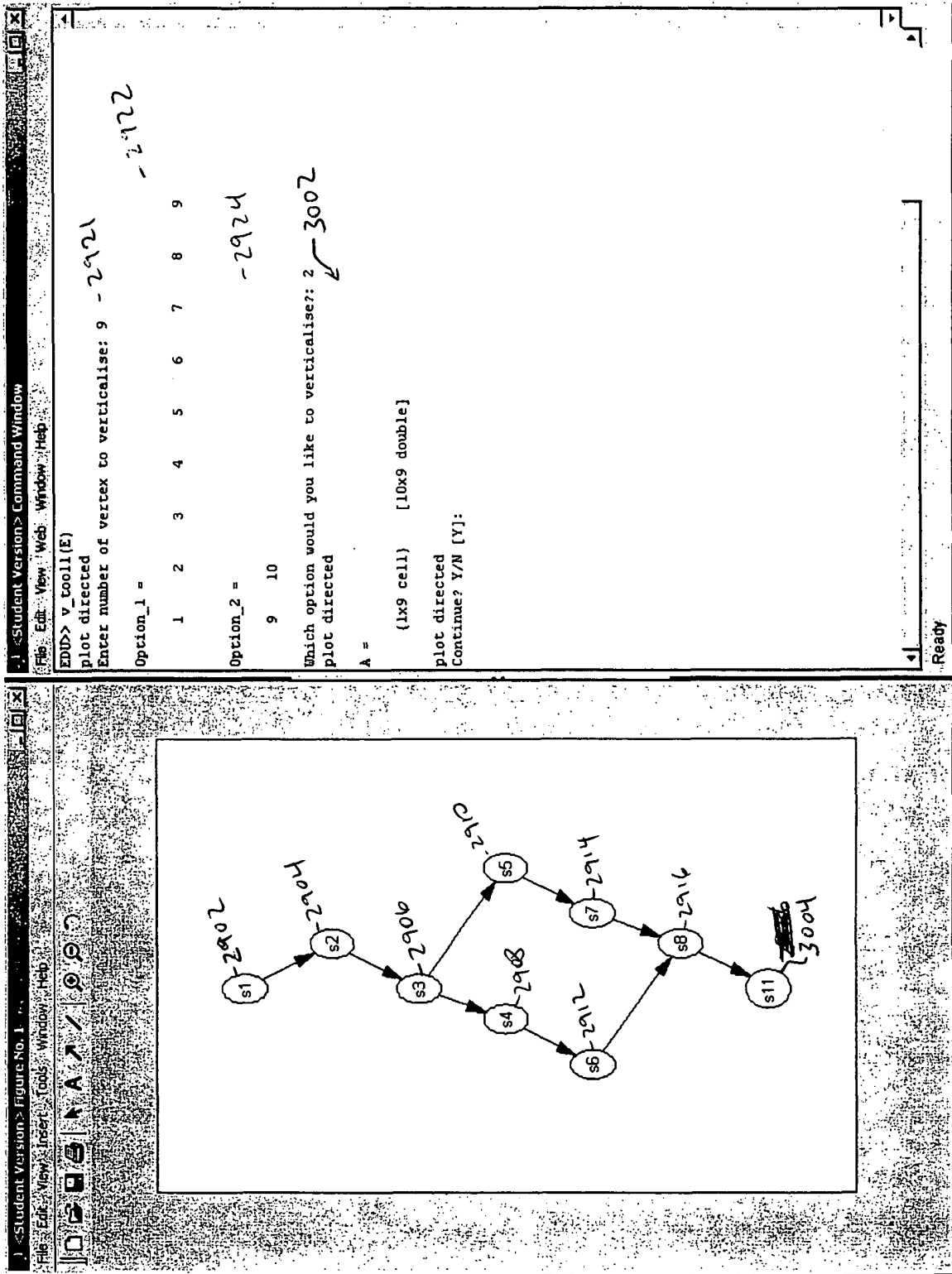


FIG. 30

3100

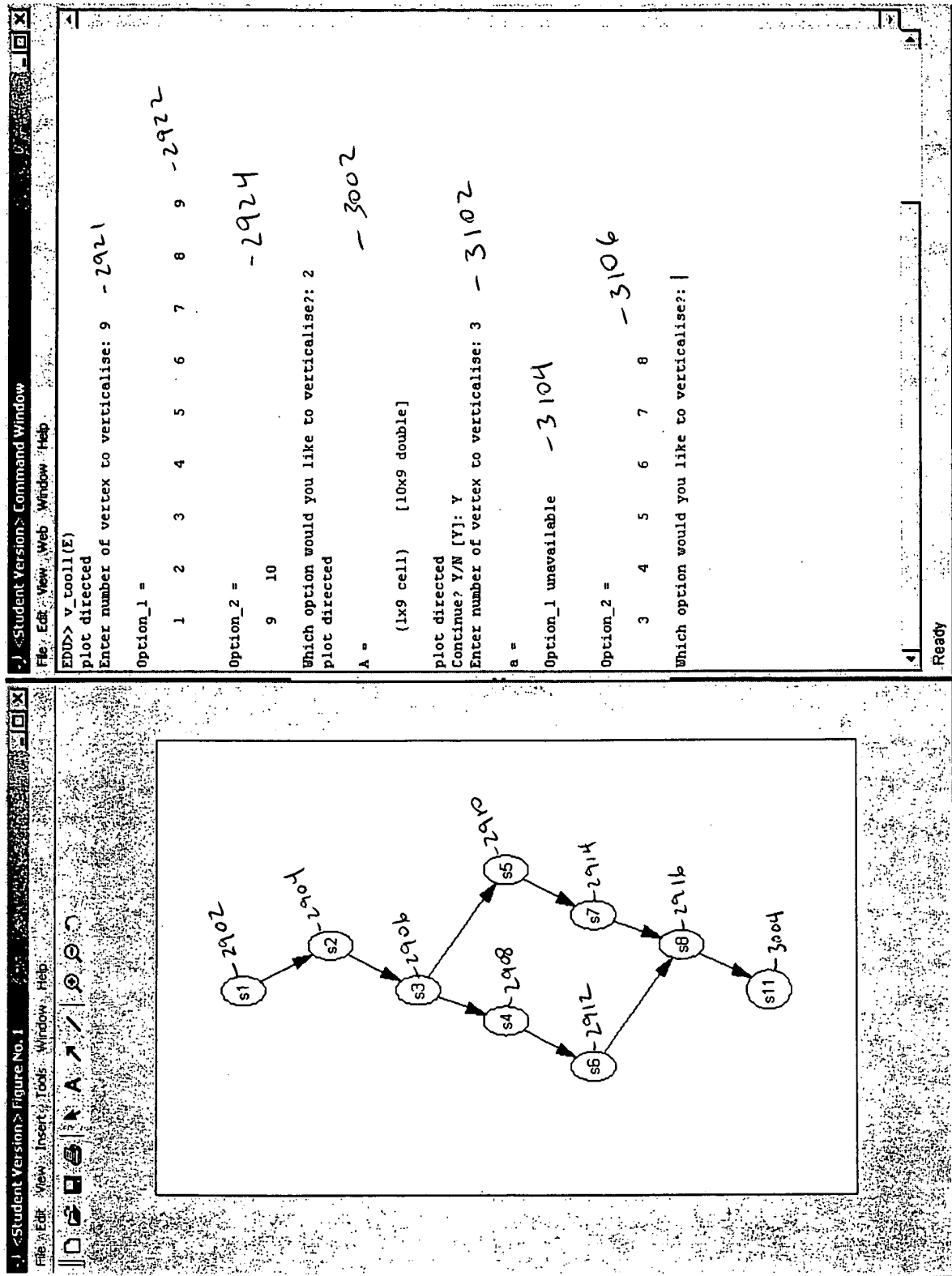


FIG. 31

3200

Student Version > Figure No. 1		Student Version > Command Window	
<pre> graph LR     s1((s1 -2902)) --&gt; s2((s2 -2904))     s1 --&gt; s12((s12 -3204))     s2 --&gt; s11((s11 -3004))     s12 --&gt; s11           </pre>		<p>Option_2 = 9 10 -2924 -3002</p> <p>Which option would you like to verticalise?: 2          plot directed</p> <p>A =</p> <p>{1x9 cell} [10x9 double]</p> <p>plot directed          Continue? Y/N [Y]:          Enter number of vertex to verticalise: 3 -3102</p> <p>a =</p> <p>Option_1 unavailable -3104</p> <p>Option_2 = 3 4 5 6 7 8 -3106</p> <p>Which option would you like to verticalise?: 2 -3202          plot directed</p> <p>A =</p> <p>{1x4 cell} [5x4 double]</p> <p>plot directed          Continue? Y/N [Y]:          Enter number of vertex to verticalise: 12 -3204</p> <p>Option_1 = 1 2 12 -3208</p> <p>Option_2 = 11 12 -3210</p> <p>Which option would you like to verticalise?:</p> <p>Ready</p>	

FIG 32



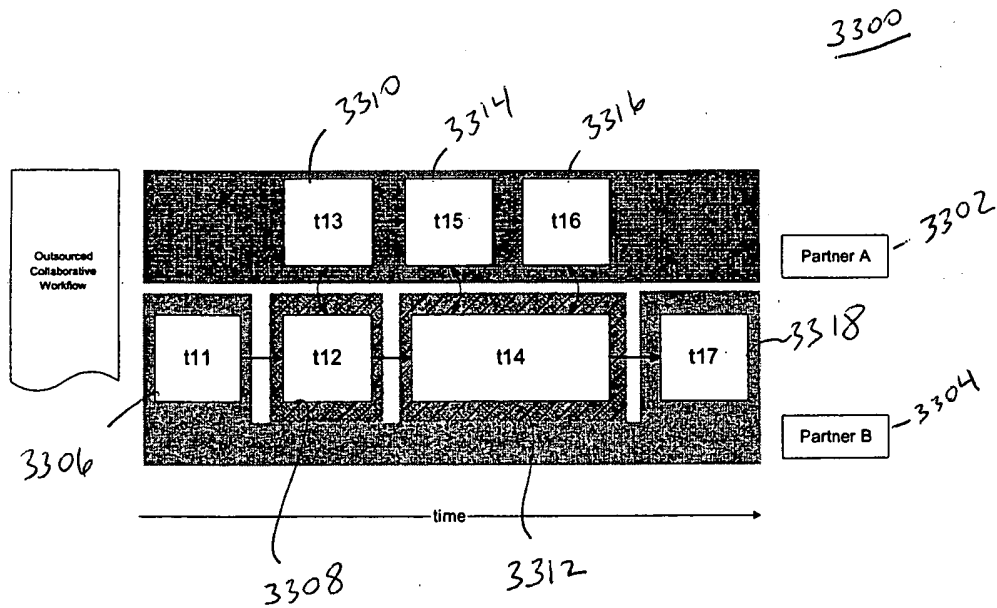


FIG. 33

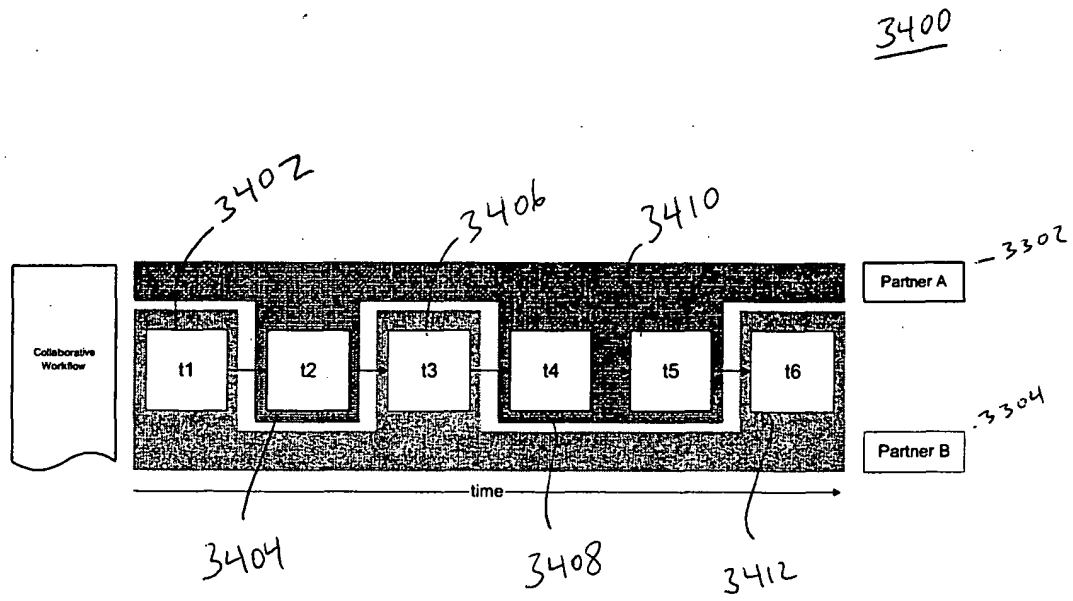


FIG. 34

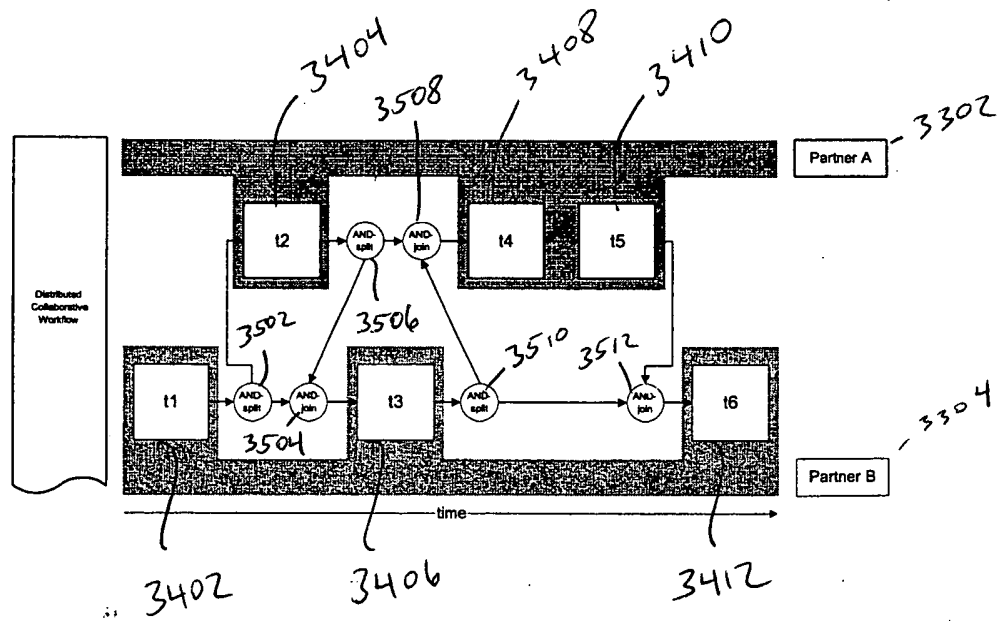


FIG. 35

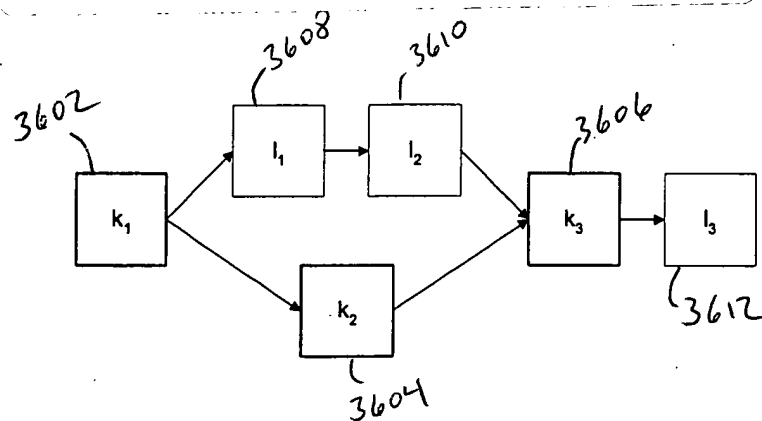


FIG. 36

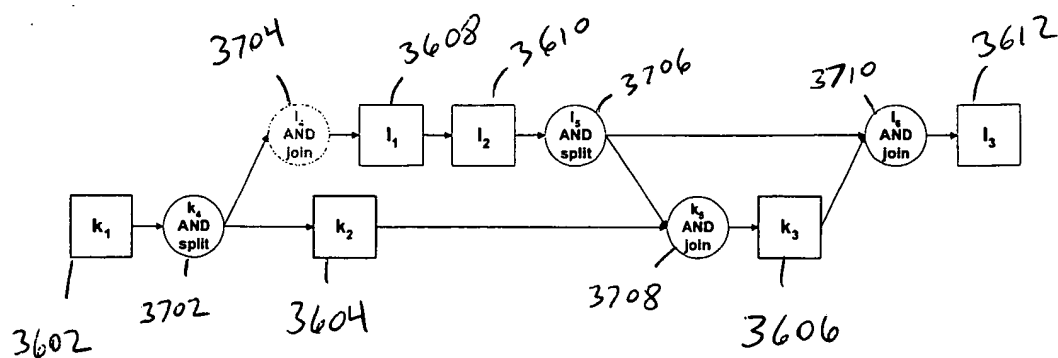










FIG. 37

Applicant(s): Karsten A. Schultz

AGGREGATION OF PRIVATE AND SHARED WORKFLOWS

3800

3802

column-index (j) row-index (i)	1	...	m	m+1	...	m+n
1		...		0	0	0
...	...	...	...	0	0	0
m		...		0	0	0
m+1	0	0	0		...	
...	0	0	0	...	...	...
m+n	0	0	0		...	

3806

3804

FIG. 38

3900

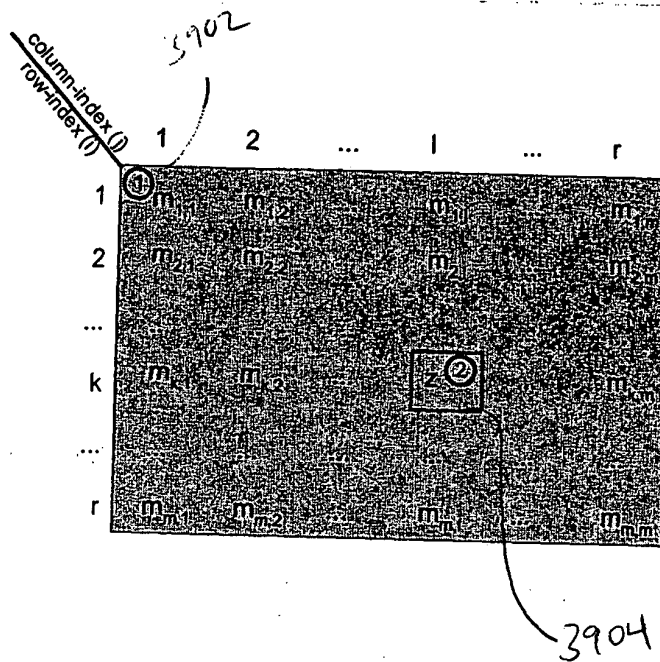


FIG. 39

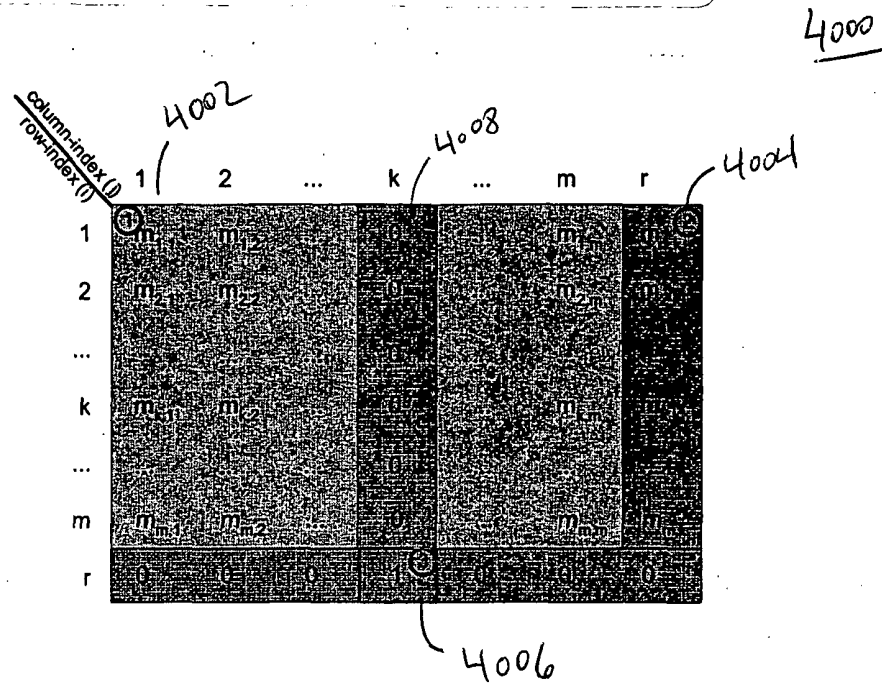


FIG. 40



4100

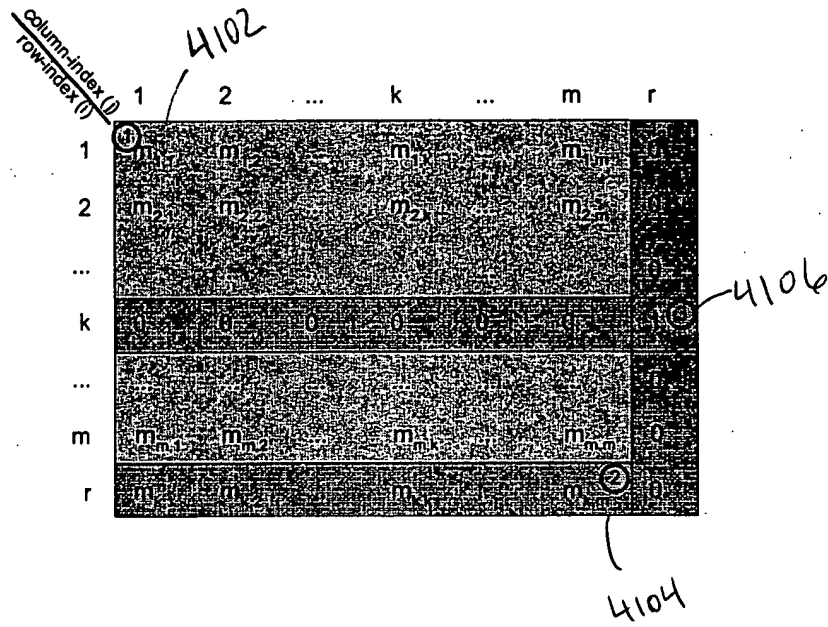


FIG. 41

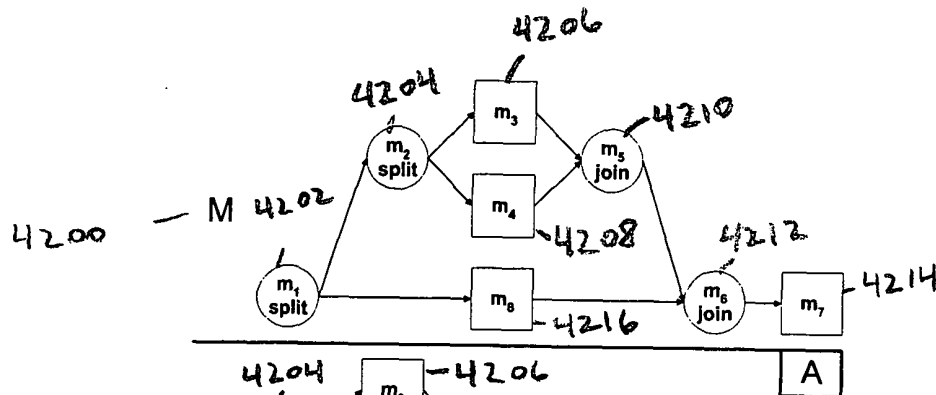


FIG. 42

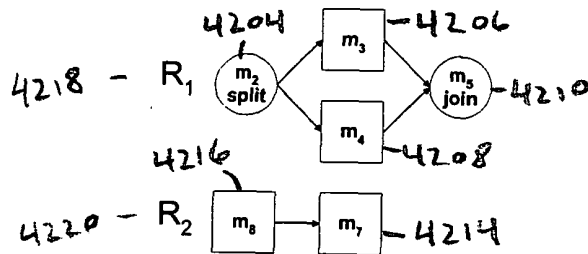


FIG. 42A

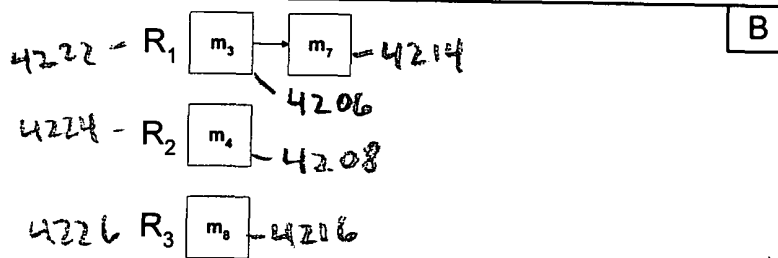


FIG. 42B

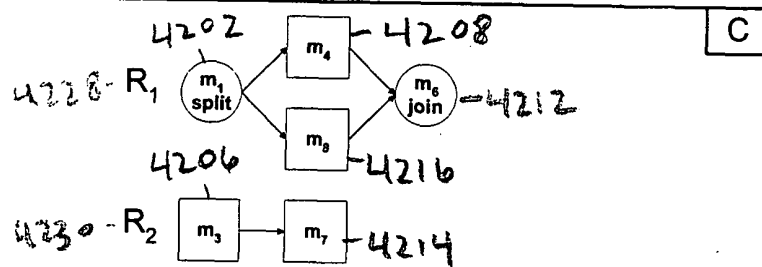


FIG. 42C

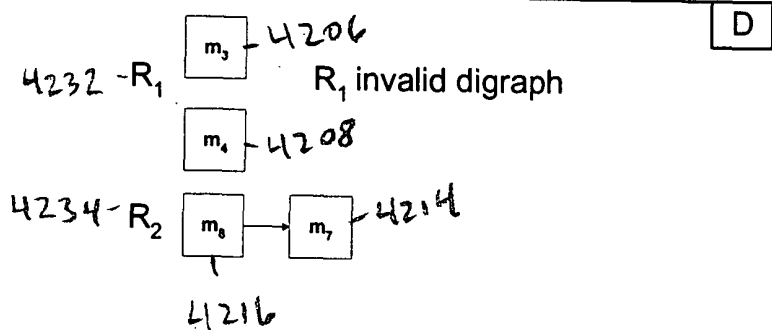


FIG. 42D

4300

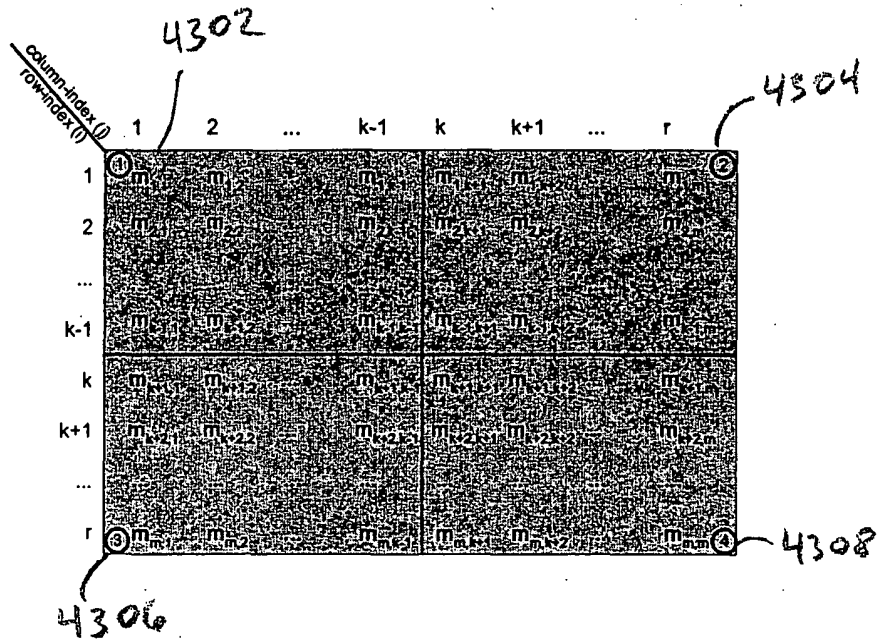


FIG. 43

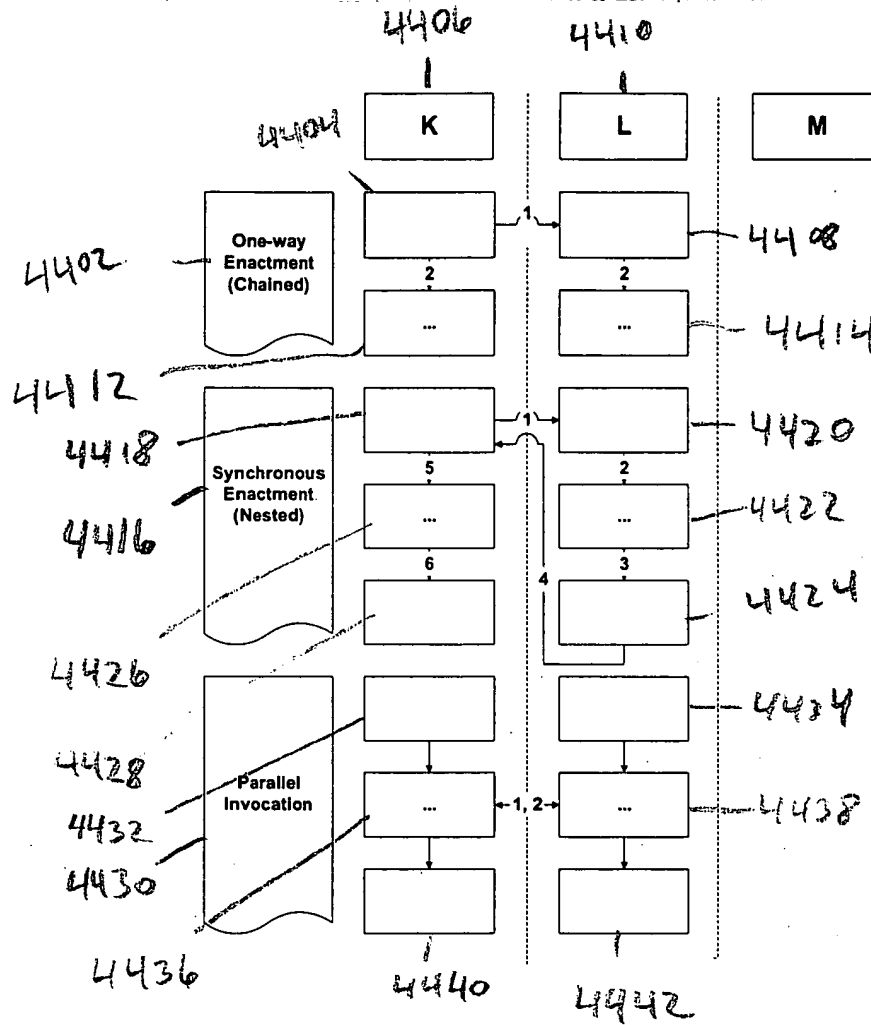


FIG. 44

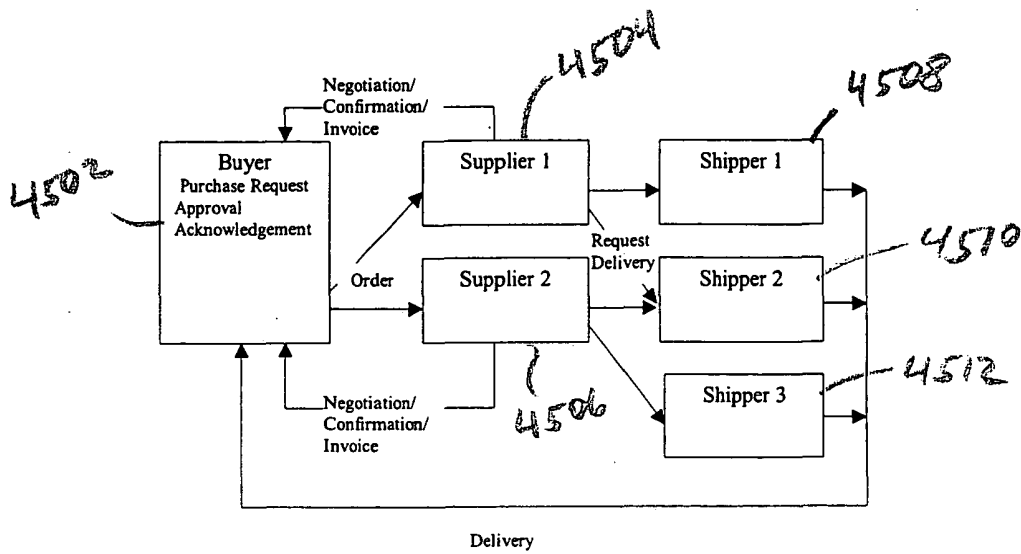


FIG. 45

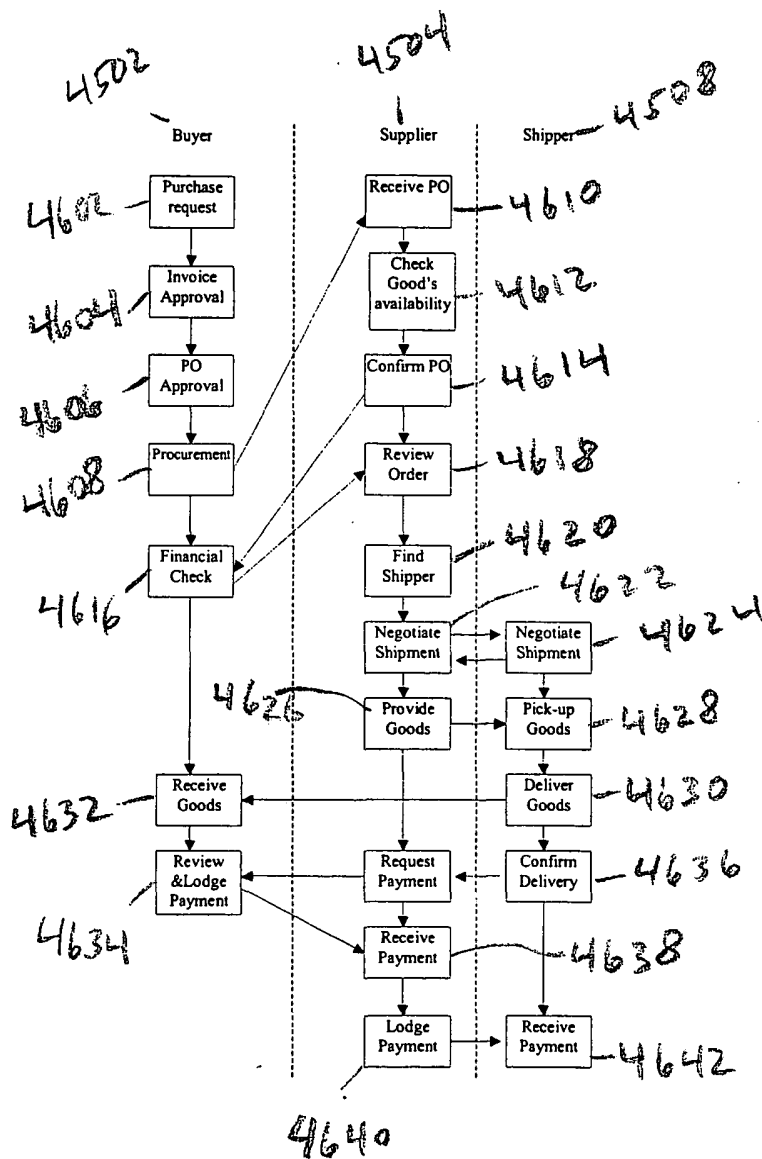


FIG. 46

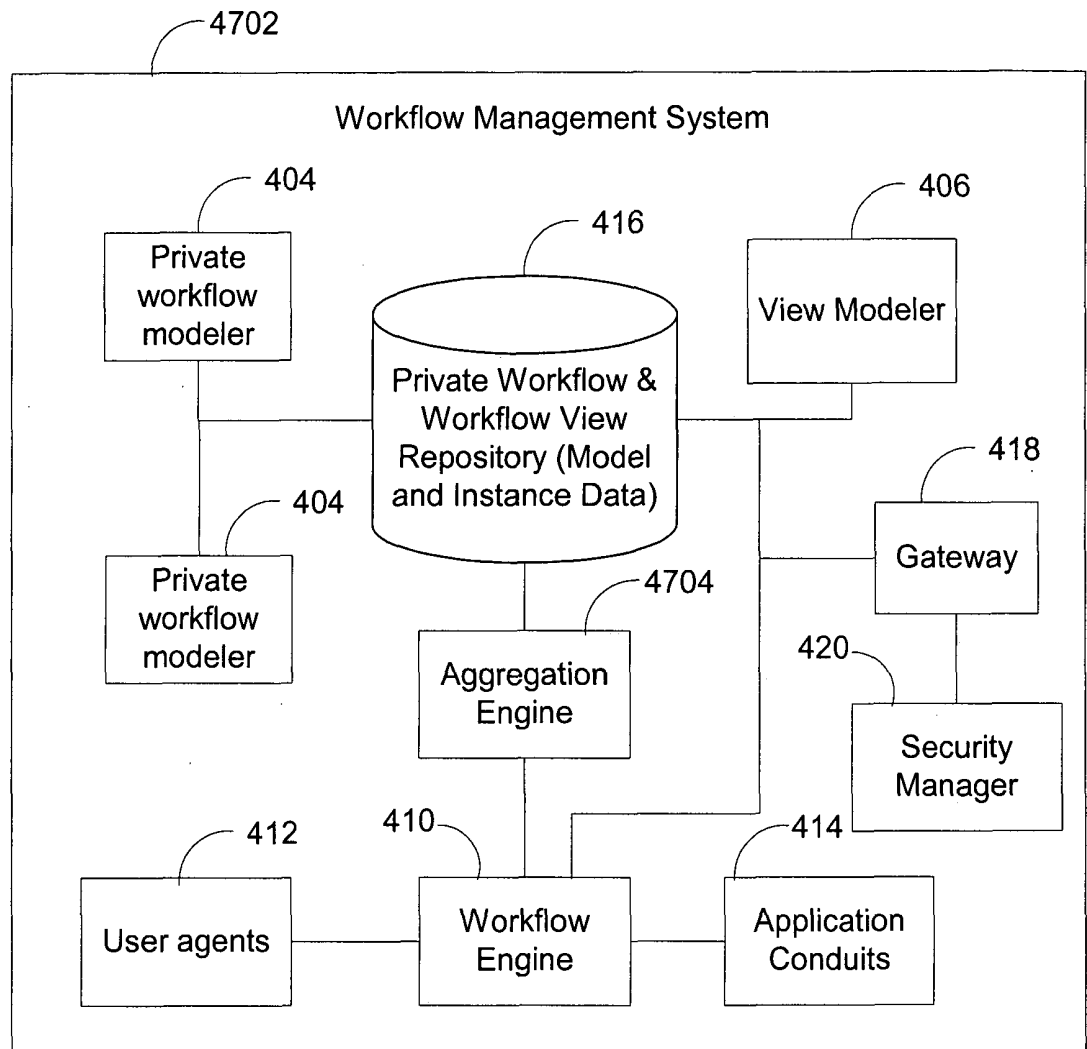


FIG. 47

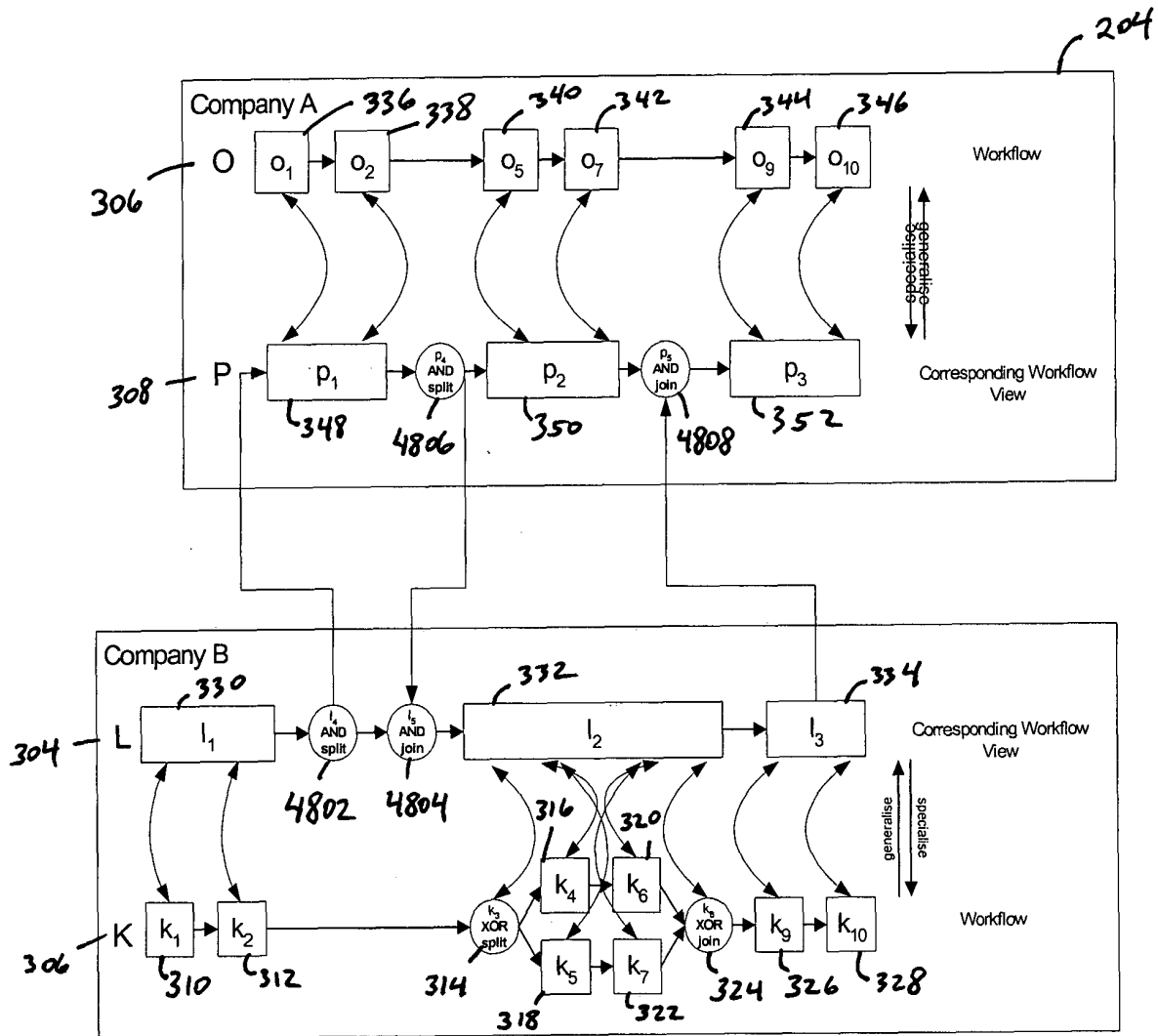


FIG. 48



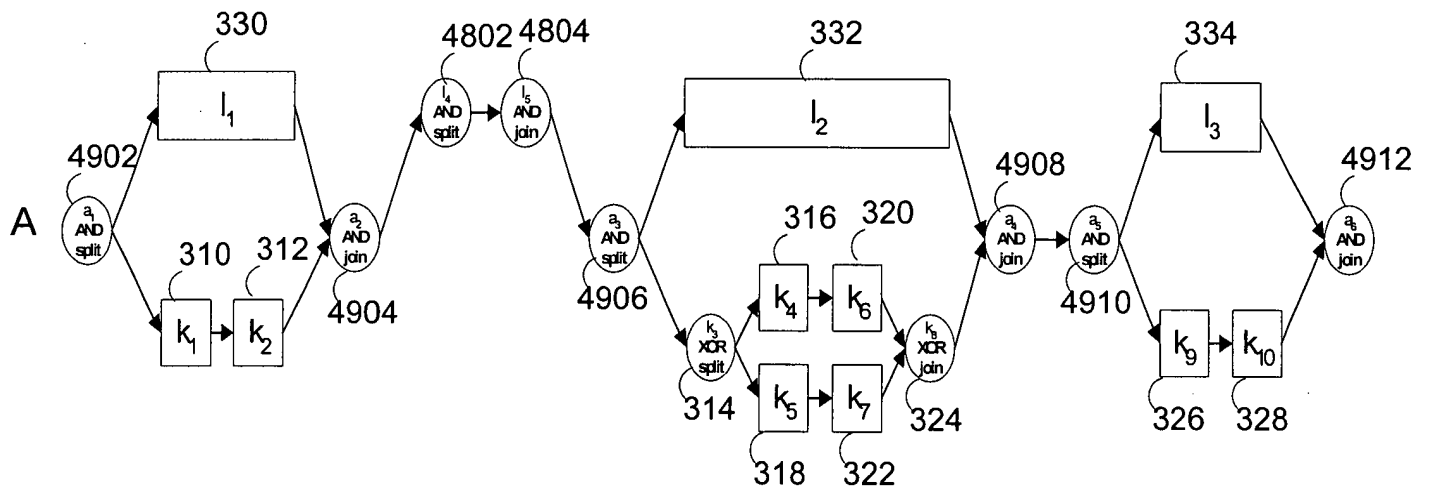
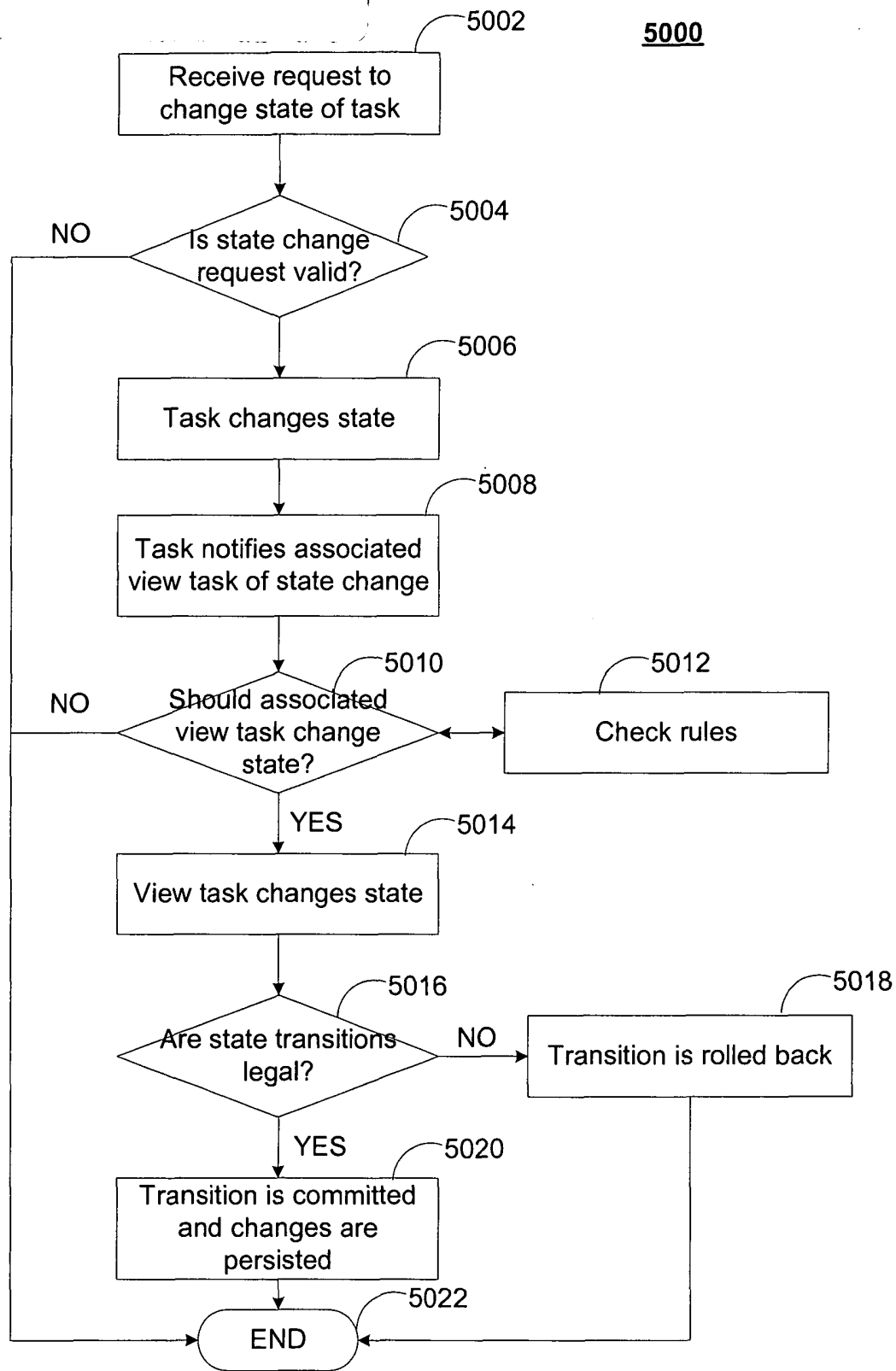
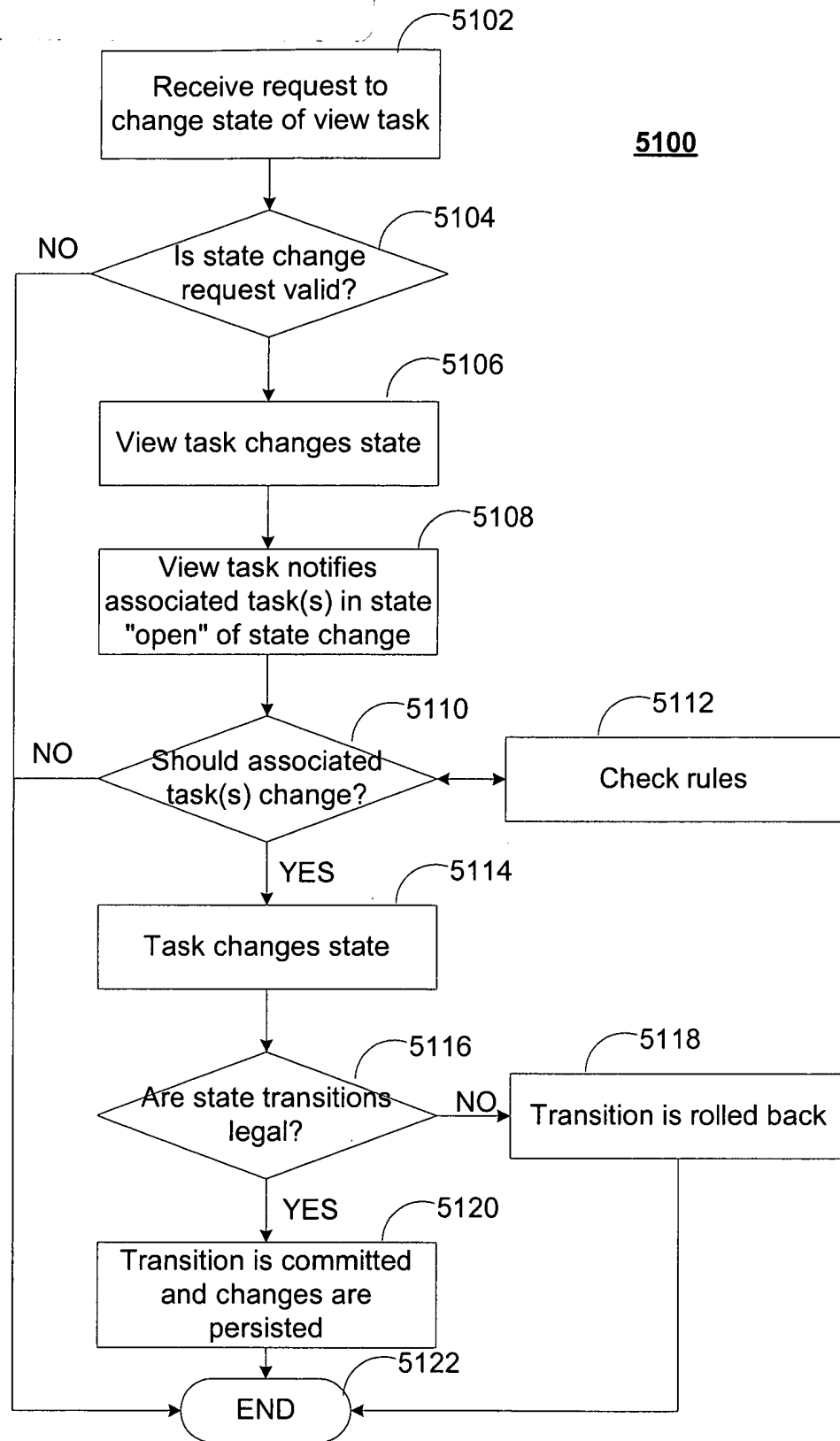
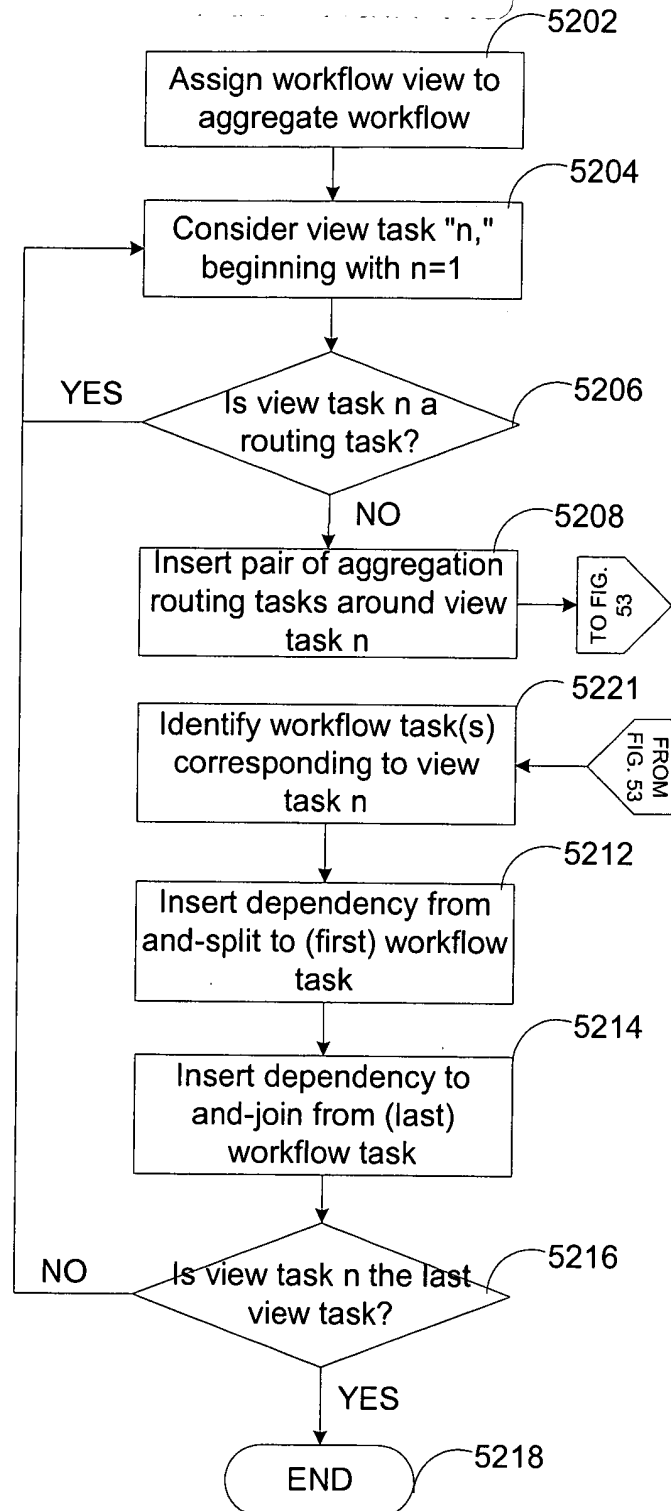
4900

FIG. 49

**FIG. 50**



**FIG. 51**

**5200****FIG. 52**

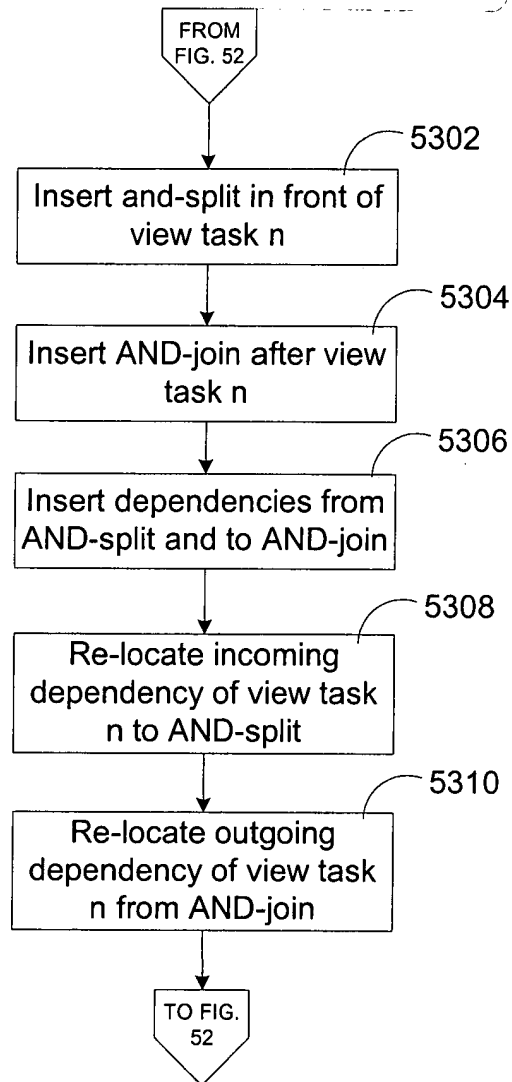


FIG. 53